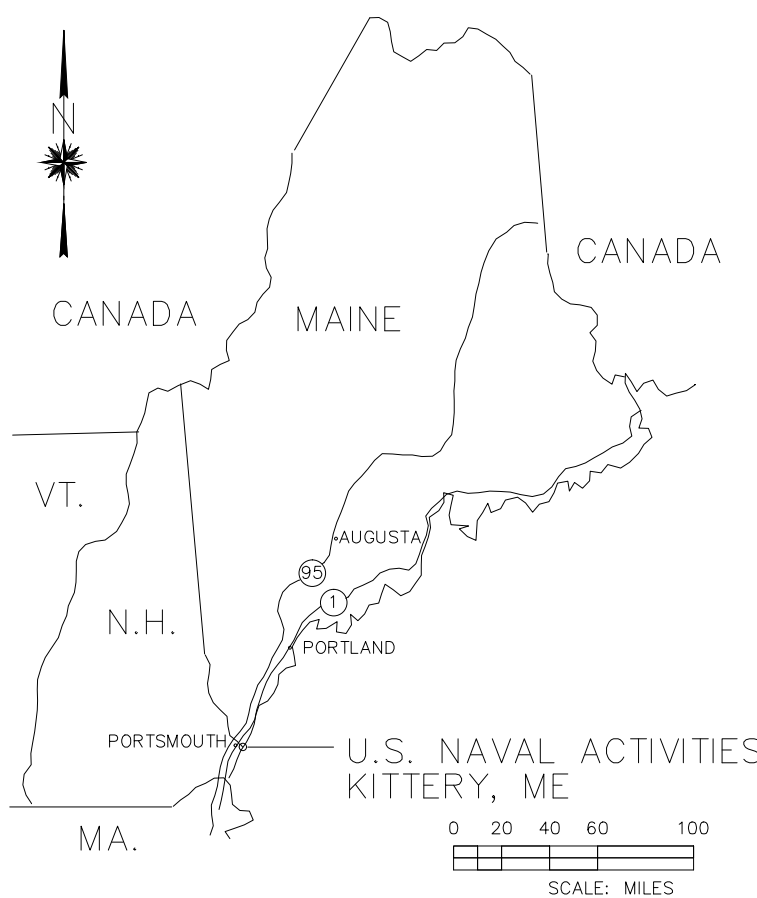
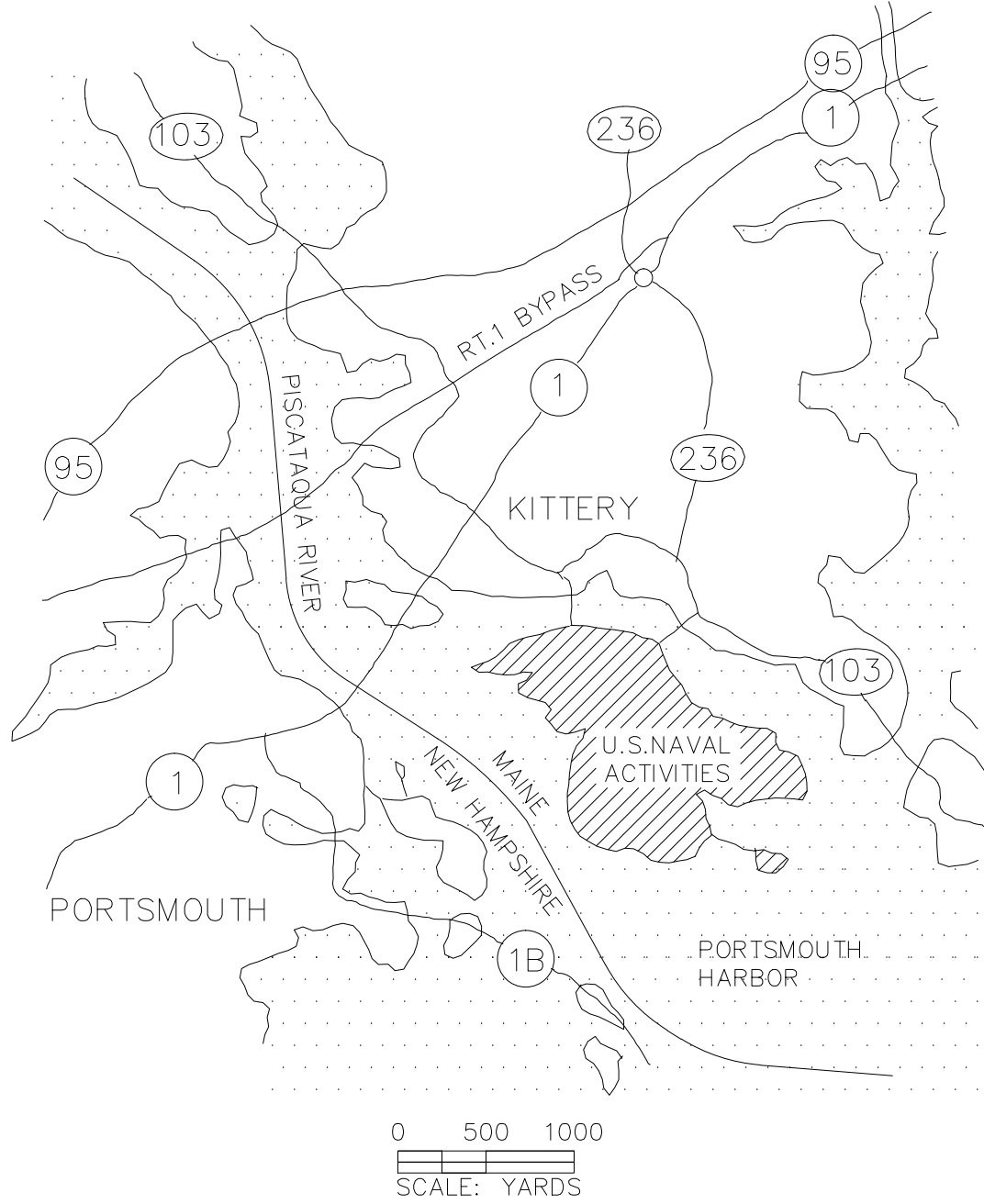


PORTSMOUTH NAVAL SHIPYARD KITTERY, ME

REPLACE SUBSTATION SLD

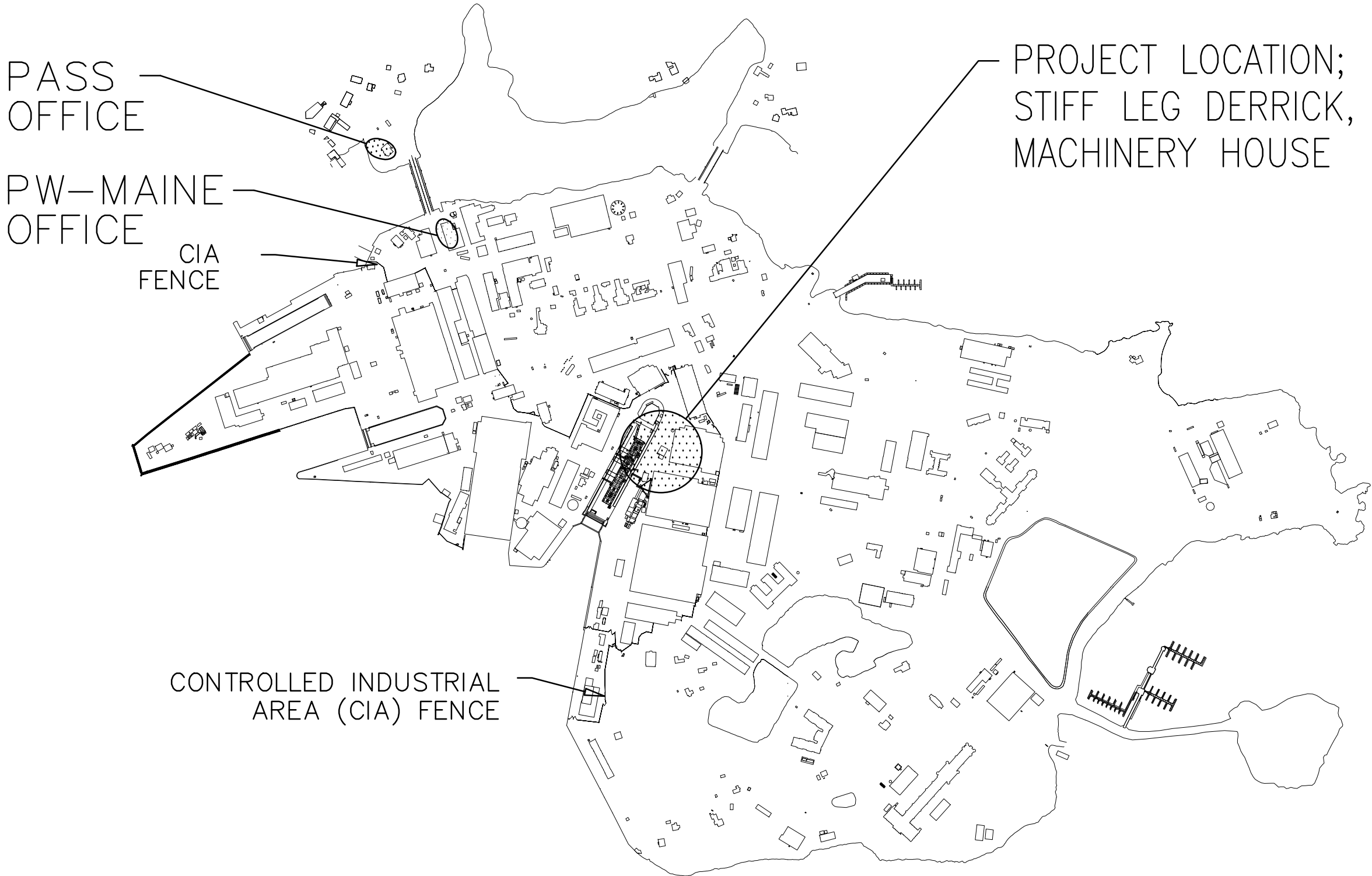


AREA MAP



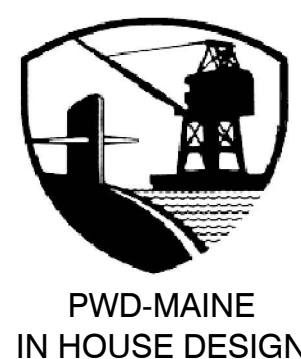
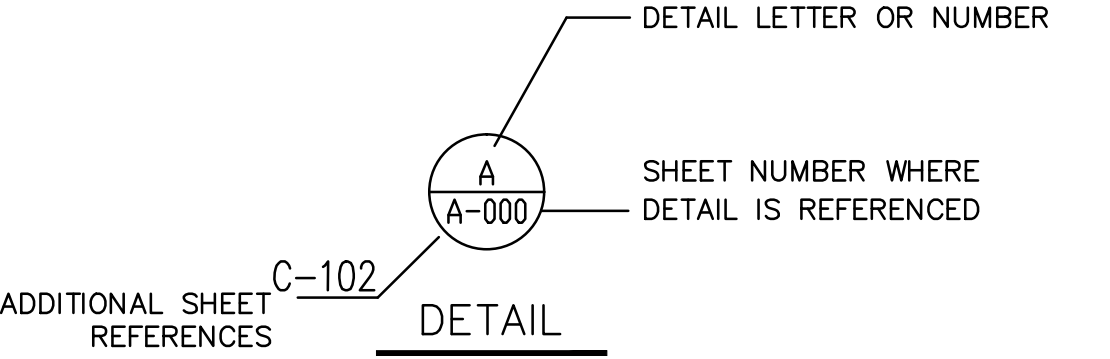
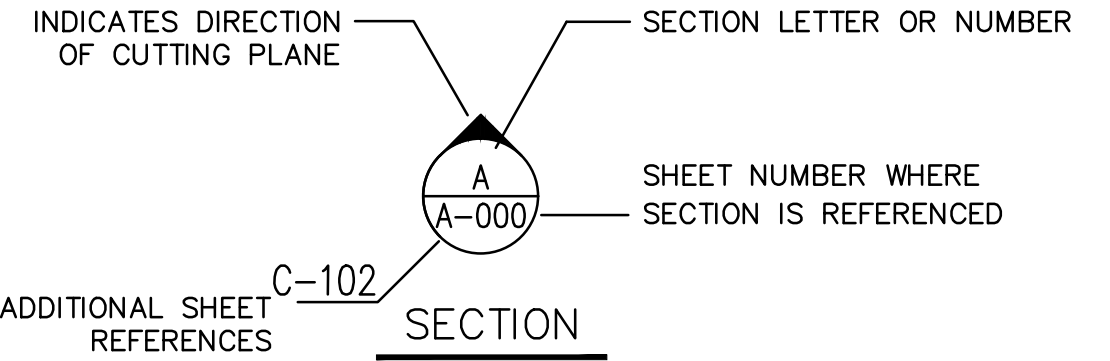
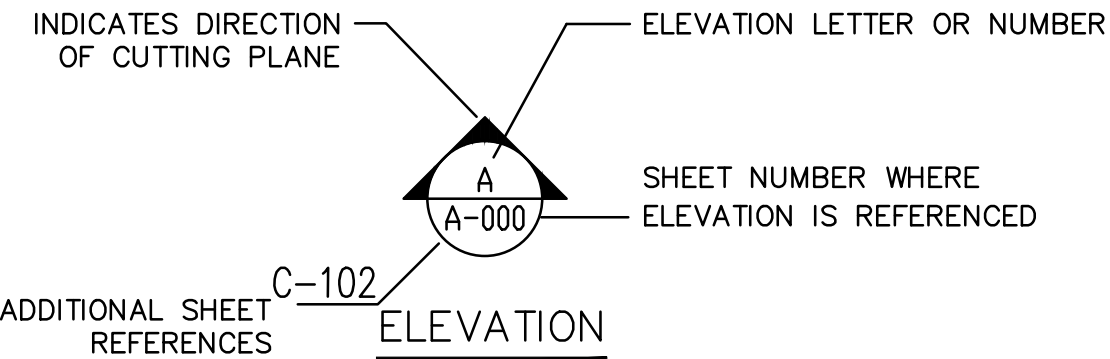
VICINITY MAP

LIST OF DRAWINGS				
SHEET	SHEET NO.	PWD-ME NO.	NAVFAC DWG. NO.	DRAWING TITLE
1 OF 17	G001	XXX-XX-XXX	12726215	TITLE SHEET
2 OF 17	G002		12726216	GENERAL NOTES
3 OF 17	G003		12726217	ABBREVIATED, SYMBOL AND CONTRACTOR LAYOUT AREA
4 OF 17	D101		12726218	SLD EQUIPMENT DEMOLITION PLAN
5 OF 17	D102		12726219	SLD VAULT DEMOLITION PLAN
6 OF 17	E101		12726220	SLD VAULT ELECTRICAL PLAN
7 OF 17	E102		12726221	SLD MEDIUM VOLTAGE VAULT ELECTRICAL PLAN
8 OF 17	E103		12726222	SLD NEW EQUIPMENT LAYOUT
9 OF 17	E104		12726223	SLD NEW FENCING LAYOUT
10 OF 17	E105		12726224	SLD NEW GROUNDING LAYOUT
11 OF 17	E106		12726225	SLD LOW VOLTAGE SWITCHGEAR ELEVATION NEW
12 OF 17	E601		12726226	SLD EXISTING ONE-LINE RISER DIAGRAM
13 OF 17	E602		12726227	SLD RECONFIGURED ONE-LINE RISER DIAGRAM
14 OF 17	E603		12726228	SLD LOW VOLTAGE DISTRIBUTION SWITCHGEAR ELECTRICAL DIAGRAM
15 OF 17	E604		12726229	SLD LOW VOLTAGE DISTRIBUTION SWITCHGEAR SLD-EXT ONE-LINE
16 OF 17	S101		12726230	SLD FENCE AND SITE DETAILS
17 OF 17	S102		12726231	SLD FENCE SLIDING DOOR DETAILS



SITE PLAN
NOT TO SCALE

ELEVATION, SECTION OR DETAIL SYMBOLS



APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES. ZK DRW. EAC. CHC.

PM/DM. TIM O'CONNELL

BRANCH MANAGER. STEPHEN MEAD

TEAM/PM. AMIN BAHROUR

FIRE PROTECTION. X

NAVFAC COMMAND

NAVFAC COMMAND

NAVFAC COMMAND

NAVFAC COMMAND

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FILE NAME: C:\Users\emily.cor\appdata\local\temp\acPublish_21472\1380703SLD.dwg LAYOUT NAME: G003 PLOTTED: Thursday, June 16, 2016 - 9:35am USER: emily.cor

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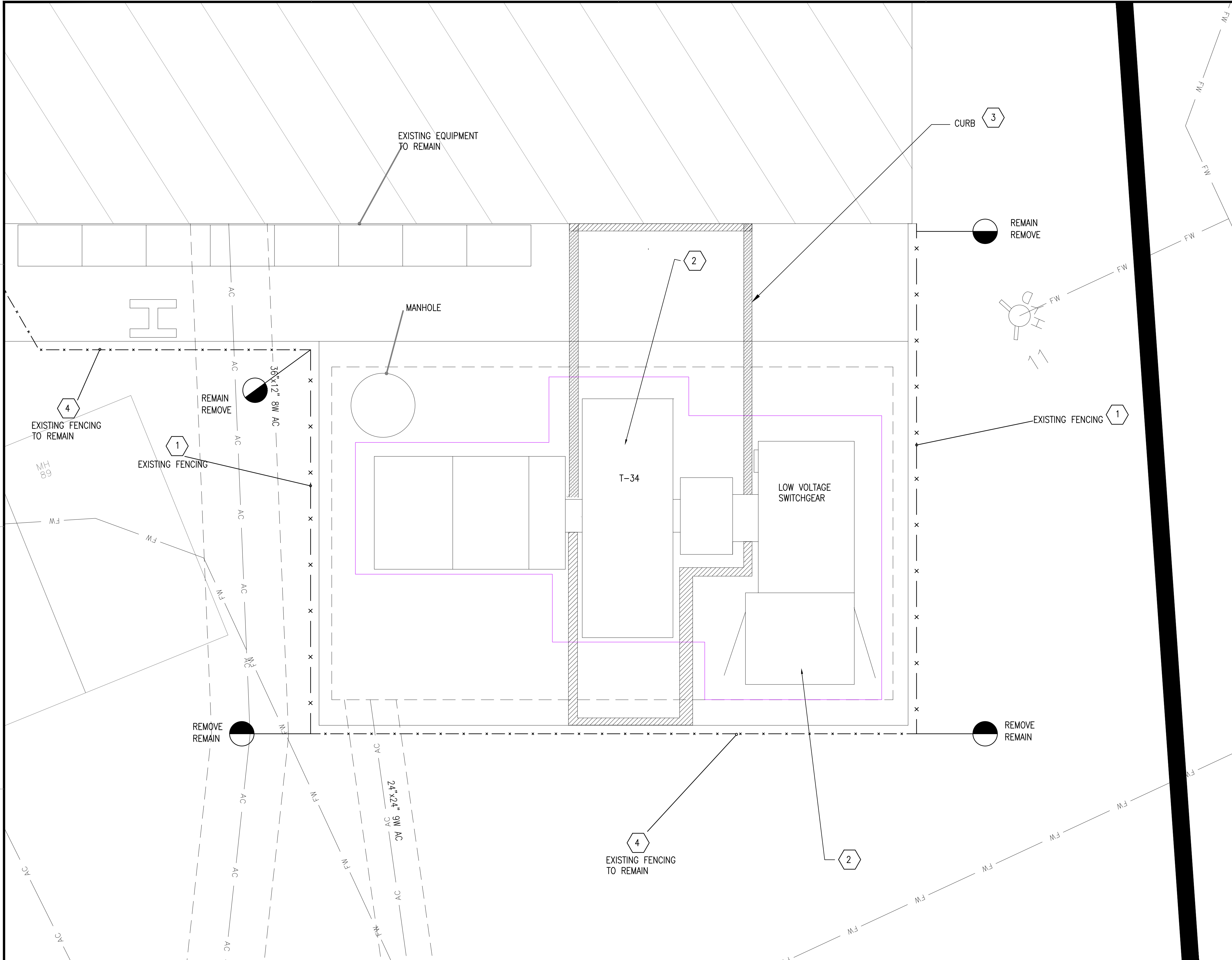
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FILE NAME: C:\Users\emilly.cor\AppData\Local\Temp\AcPublish_21472\1380703SLD.dwg LAYOUT NAME: D101 PLOTTED: Thursday, June 16, 2016 - 9:35am USER: emilly.cor



EXISTING CONDITIONS AND
REMOVALS PLAN



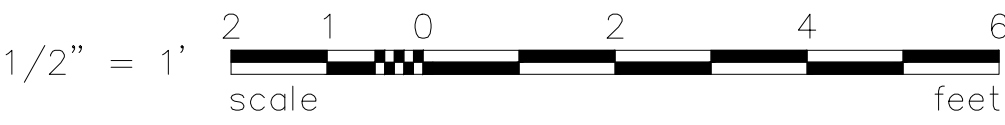
GENERAL SHEET NOTES

1. DISCONNECT ALL ELECTRICAL EQUIPMENT INDICATED.
2. VERIFY ALL CABLES ARE PROPERLY LABELED FOR RE-ASSEMBLY.
3. CONTRACTOR SHALL COORDINATE WITH GOVERNMENT (B357) DELIVERY OF USED OIL DRUMS.
4. CONTRACTOR SHALL DRAIN OIL FROM TRANSFORMER TO THE DELIVERED DRUMS.
5. GOVERNMENT (B357) SHALL TAKE THE DRUMS FOR DISPOSAL OIL FROM THE TRANSFORMER.

DEMOLITION KEYNOTES

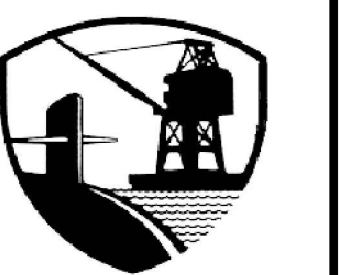
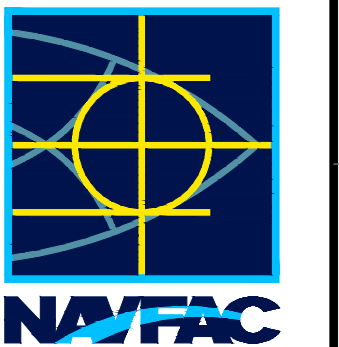
1. REMOVE INDICATED EQUIPMENT AND FENCING.
2. REMOVE TRANSFORMER T-34, AND LOW VOLTAGE SWITCHGEAR.
3. REMOVE EXISTING CURBING AS INDICATED.
4. EXISTING FENCE TO REMAIN EXCEPT AS INDICATED.
5. RECORD SECONDARY OPERATING VOLTAGE VALUE SHALL BE REVERIFIED DURING COMMISSIONING

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

SYN	DESCRIPTION	DATE	TOC	APPR
0	BID DOC SUBMISSION	04/04/2016		



PWD-MAINE
IN HOUSE DESIGN

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DIES ZK IDRW EAC ICHR

PM/DM TIM O'CONNELL

BRANCH MANAGER STEPHEN MEAD

FEAD/PM/NE AMIN BAHROUR

FIRE PROTECTION X

NAVFAC PROJECT NO. 1380703

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. #####

SHEET 4 OF 17

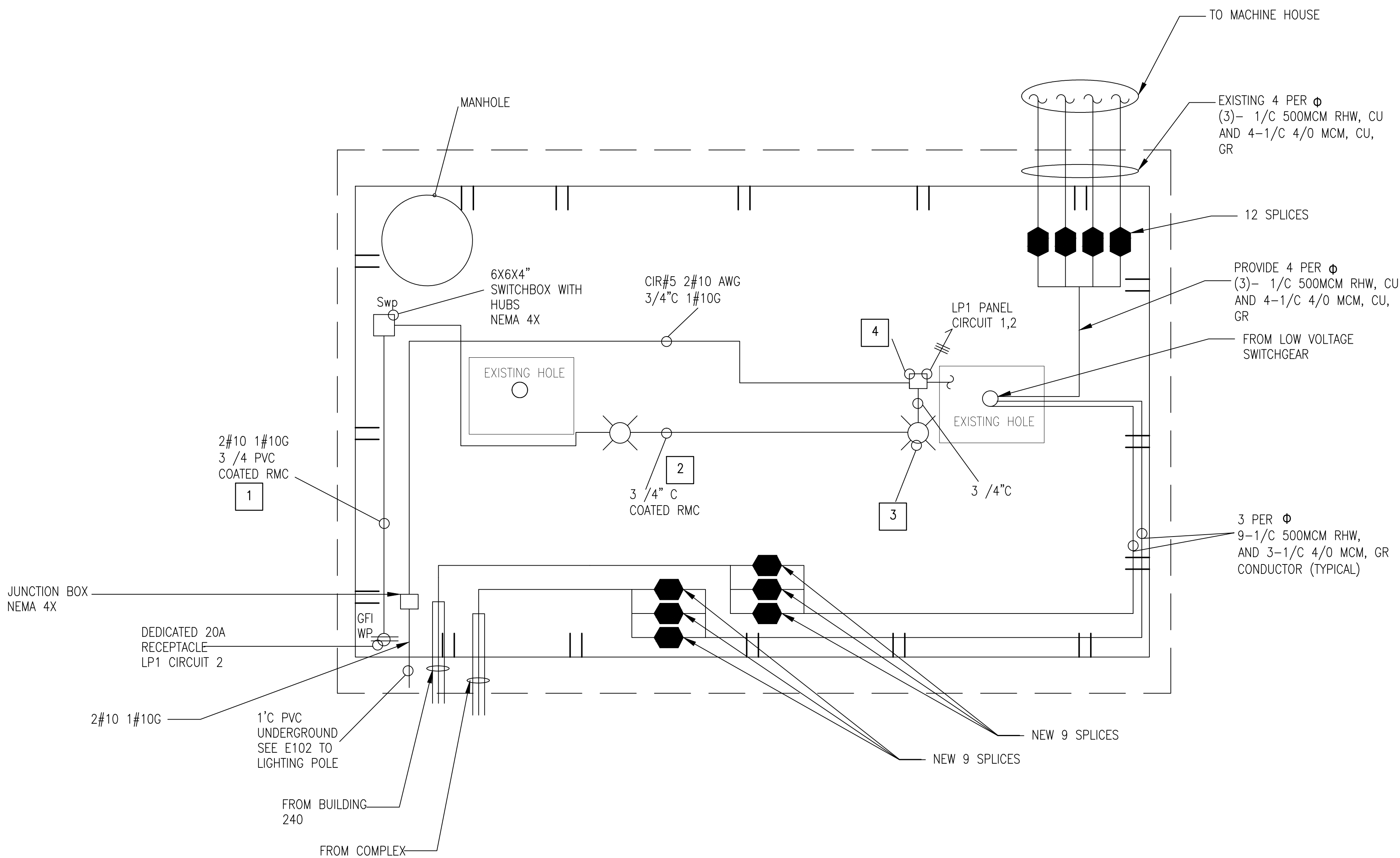
D101 FAC-YR-NUM

DRAWFORM REVISION: 10 OCTOBER 2014

FILE NAME: C:\Users\emilly.cor\appdata\local\temp\4e0a0a0a\temp\4e0a0a0a\1380703SLD.dwg LAYOUT NAME: E101 PLOTTED: Thursday, June 16, 2016 9:35am USER: emilly.cor

SLD VAULT ELECTRICAL PLAN

1" = 2' - 0"



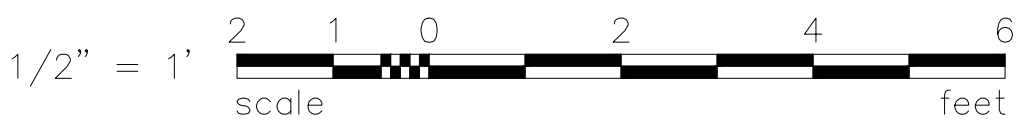
GENERAL SHEET NOTES

1. ALL CONDUCTORS FOR LIGHTING AND RECEPTACLE SHALL BE #12 THHN UNLESS INDICATED OTHERWISE
2. RECEPTACLE SWITCHES BOXES SHALL BE PVC COATED WITH THREADED HUBS, RECEPTACLES SHALL HAVE IN USE COVERS.
3. CONDUIT SHALL BE PVC COATED RMC, TO INCLUDE FITTINGS, CONDUIT BODIES, CLIPS, BACKERS, HUBS, SCREW AND WASHERS SHALL BE STAINLESS STEEL.
4. SEQUENCE ORDER FOR SPLICING CABLES TO MINIMIZE OUTAGE DURATION.

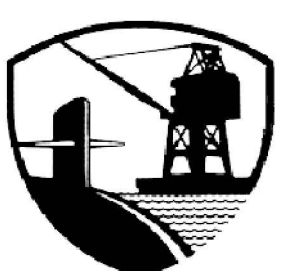
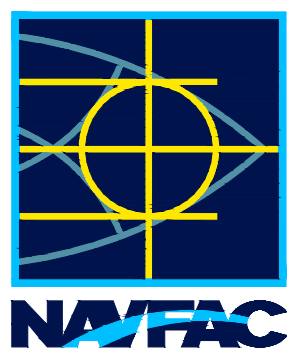
NEW WORK KEYNOTES

1. 2 #10, 1 #10G
2. 3 #10, 1 #10G
3. LIGHT- VAPOR TIGHT MARINE INCANDESCENT FIXTURE (TYP 2 PLCS)
4. JUNCTION BOX 6" X 6" X 4" CEILING MOUNTED NEMA 4X
5. PROVIDE HEAT SHRINK CABLES SPLICES AS NECESSARY AS SHOWN
6. PROVIDE #4/0 GROUND CONDUCTOR FOR EACH OF THE CONDUIT.

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING



PWD-MAINE
IN HOUSE DESIGN

APPROVED

FOR COMMANDER NAFAC

ACTIVITY

SATISFACTORY TO DATE

DIES ZK IDRW EAC ICHR

PM/DM TIM O'CONNELL

BRANCH MANAGER STEPHEN MEAD

LEAD/PM/ME AMIN BAHROUR

FIRE PROTECTION X

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC

PUBLIC WORKS DEPARTMENT - MAINE

PORTSMOUTH NAVAL SHIPYARD

REPLACE SUBSTATION SLD

NAVAL SHIPYARD - PORTSMOUTH, MAINE

KITTERY, MAINE

SLD VAULT ELECTRICAL PLAN

PROJECT NO.: 1380703

CONSTR. CONTR. NO.

NAFAC DRAWING NO.

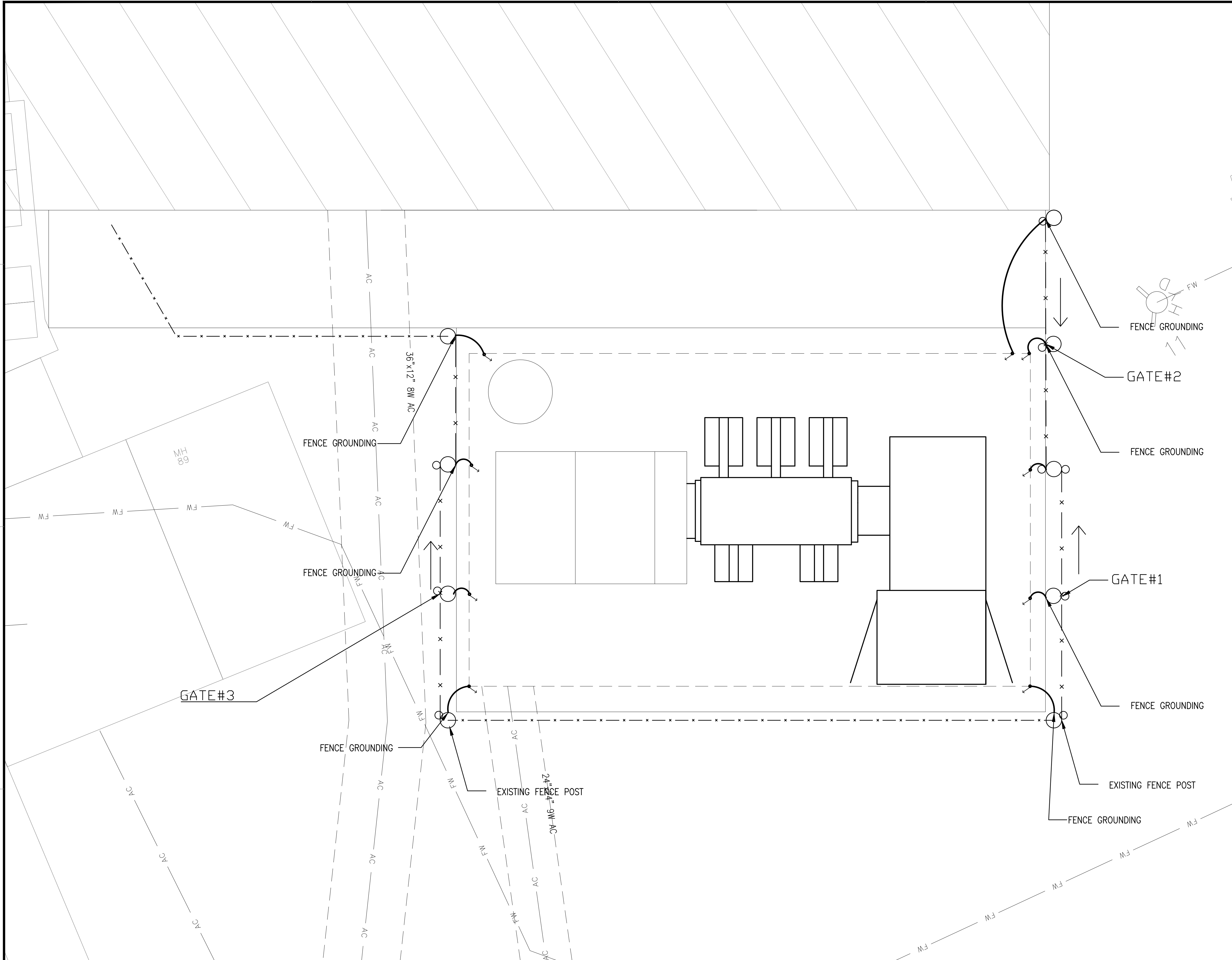
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SHEET 6 OF 17

E101 FAC-YR-NUM

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SLD NEW EQUIPMENT LAYOUT

PLAN NORTH

1" = 2' - 0"

NEW WORK KEYNOTES

1. FENCE GROUNDING CONNECT TO THE EXISTING VAULT GROUNDING SYSTEM #4 /0 (TYPICAL) DETAILS H & P S101

GRAPHIC SCALE

1/2" = 1' scale

CHECK GRAPHIC SCALE BEFORE USING

PROJECT NO.: 1380703

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. #####

SHEET 9 OF 17

E104 FAC-YR-NUM

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC

PUBLIC WORKS DEPARTMENT - MAINE

PORTSMOUTH NAVAL SHIPYARD

REPLACE SUBSTATION SLD

SLD NEW FENCING LAYOUT

NAVFAC

PWD-MAINE

IN HOUSE DESIGN

APPROVED

FOR COMMANDER NAVFAC

SATISFACTORY TO DATE

DES ZK DRW EAC

PM/DM TIM O'CONNELL

BRANCH MANAGER STEPHEN MEAD

FEAD/PM/MAE AMIN BAHROUR

FIRE PROTECTION X

TOC

DATE

04/04/2016

DOC SUBMISSION

SYN

DESCRIPTION

0

DRAWFORM REVISION: 10 OCTOBER 2014

FILE NAME: C:\Users\emilly.cor\appdata\local\temp\4e0a9d8a\temp\4e0a9d8a\1380703SLD.dwg LAYOUT NAME: E105 PLOTTED: Thursday, June 16, 2016 9:35am USER: emilly.cor

SLD NEW GROUNDING LAYOUT

1" = 2' - 0"



PROVIDE AND RE-TERMINATE
GROUNDS TO MEDIUM VOLTAGE
SWITCH ENCLOSURE

SEE E103 FOR
CONTINUATION
IN 1" C 4/0 AWG

EXISTING UNDERGROUND
4 /0 GROUND CONDUCTOR

EXISTING ROD

EXISTING 4 /0 AWG BARE COOPER
CABLE LOCATED AT THE WALL OF
EXISTING VAULT

LOCATE GROUNDING
CONDUCTOR AT
THE CEILING OF
THE VAULT

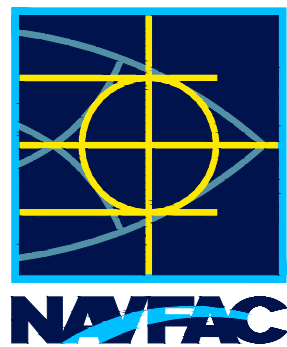
SUBSTATION VAULT

LOCATE GROUNDING
CONDUCTOR AT
THE CEILING OF
THE VAULT

EXOTHERMIC WELDED
CONNECTION
(TYPICAL)

GENERAL SHEET NOTES

- MINOR DIMENSION CHANGES, IF REQUIRED TO ACCOMMODATE MANUFACTURE'S STANDARDS DETAILS SHALL BE ACCOMPLISHED AT NO ADDITIONAL COST TO THE GOVERNMENT. SUCH CHANGES SHALL BE SUBMITTED TO AND APPROVED BY THE CONTROLLING OFFICER PRIOR THE CONSTRUCTION.
- ALL EXISTING FIELD DIMENSIONS ELEVATION AND CONDITION AFFECTION WORK UNDER THIS CONTRACTOR SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING PREPARATION OF SHOP DRAWINGS OR COMMENCING ANY WORK.
- PROVIDE 4 /0 AWG CU EQUIPMENT GROUNDS AT EACH EQUIPMENT LOCATION, PROVIDE 15 FOOT LONG WHIPS AT TRANSPORTABLE PADS.
- TIE IN GROUNDS FOR ALL EQUIPMENT AND STRUCTURES THAT ARE TO REMAIN



PWD-MAINE
IN HOUSE DESIGN

APPROVED

FOR COMMANDER NAFAC

ACTIVITY

SATISFACTORY TO DATE

DES: ZK | DRW: EAC | CHR:

PM/DM: TIM O'CONNELL

BRANCH MANAGER: STEPHEN MEAD

HEAD/PNAME: AMIN BAHROUR

FIRE PROTECTION: X

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC

PUBLIC WORKS DEPARTMENT - MAINE

PORTSMOUTH NAVAL SHIPYARD

REPLACE SUBSTATION SLD

NAVAL SHIPYARD - PORTSMOUTH, NH

KITTERY, MAINE

SLD NEW GROUNDING LAYOUT

PROJECT NO.: 1380703

CONSTR. CONTR. NO.

NAFAC DRAWING NO.

#####

SHEET 10 OF 17

E105 FAC-YR-NUM

DRAWFORM REVISION: 10 OCTOBER 2014

GRAPHIC SCALE

1/2" = 1'
scale feet

CHECK GRAPHIC SCALE BEFORE USING

FILE NAME: C:\Users\emilly.cor\appdata\local\temp\4e9bda1a-21472\1380703SLD.dwg LAYOUT NAME: E106 PLOTTED: Thursday, June 16, 2016 - 9:35am USER: emilly.cor



GENERAL SHEET NOTES

1. MAXIMUM HEIGHT OF INSTRUMENTATION AND CONTROL DEVICES SHALL BE 6.5FT OR LESS ABOVE THE BOTTOM OF THE STRUCTURAL STEEL BASE-FRAME
2. EQUIPMENT ELEVATIONS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO SHOW THE GENERAL LAYOUT AND OVERALL DIMENSIONS. THE CONTRACTOR PROVIDE ALL ENGINEERING, DESIGN, MANUFACTURE, ASSEMBLY, AND TESTING TO MEET THE REQUIREMENTS OF THIS CONTRACT
3. ENCLOSURE DATA
 - 3.1. WALK IN DEAD FRONT SWITCHBOARD PER UL891, SERVICE ENTRANCE 3200A, 480Y, 3 PHASE 3 WIRE, 65KA IC, NEMA 3R 151"W X 114"D X 125"H; 6000LBS.
 - 3.2. HANDLING: ROLLERS & LIFTING ASSEMBLIES.
4. EQUIPMENT SHALL BE LABELED AND LISTED FOR THEIR USE
5. EQUIPMENT SHALL BE TESTED ON SITE I.A.W. IN ACCORDANCE WITH NETA ATS



APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES ZK IDRW EAC ICHK

PM/DM TIM O'CONNELL

BRANCH MANAGER STEPHEN MEAD

FEAD/PM/NE AMIN BAHROUR

FIRE PROTECTION X

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
PUBLIC WORKS DEPARTMENT - MAINE
PORTSMOUTH NAVAL SHIPYARD
REPLACE SUBSTATION SLD
LOW VOLTAGE SWITCHGEAR ELEVATION NEW

PROJECT NO.: 1380703

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

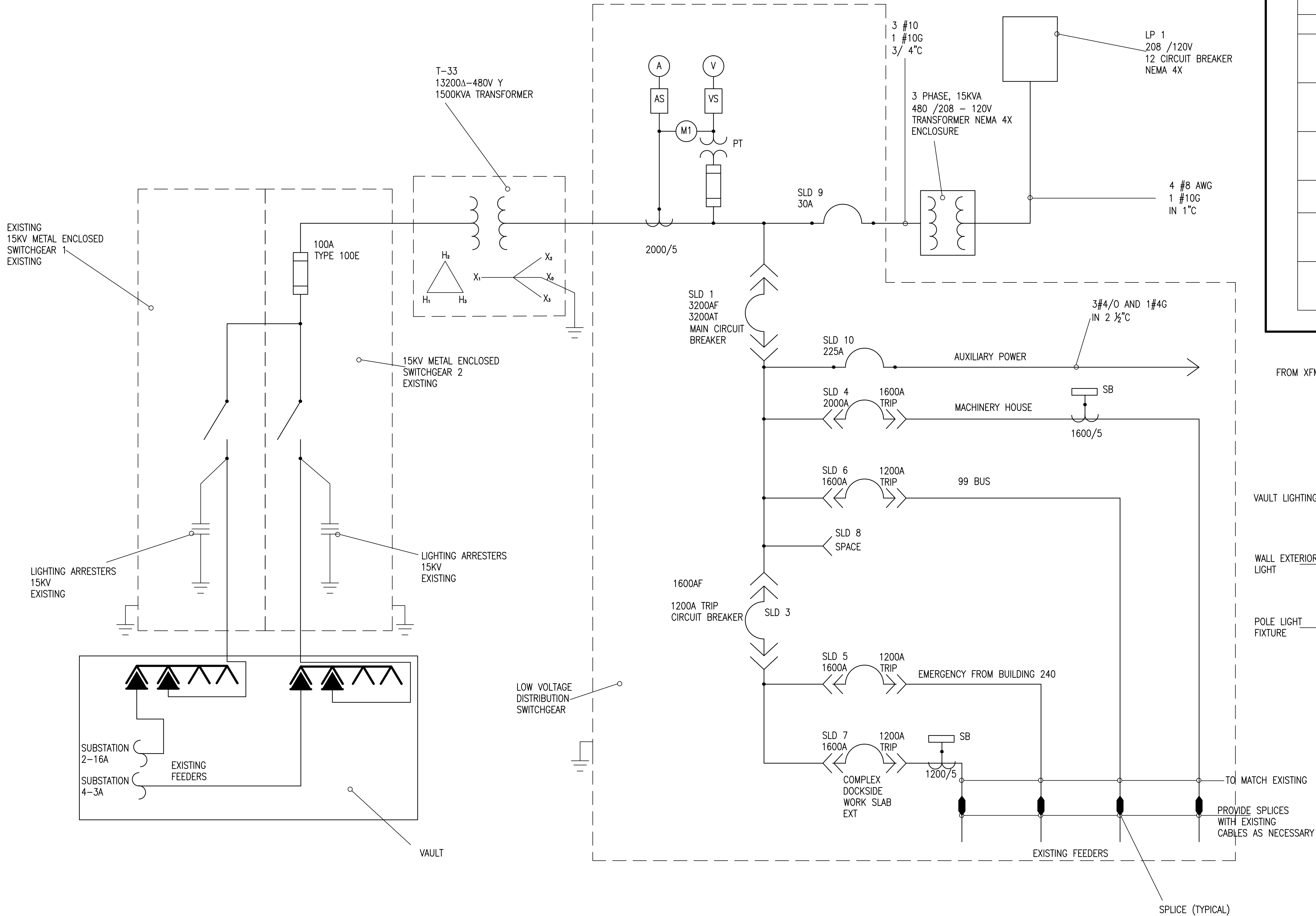
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SHEET 11 OF 17

E106 FAC-YR-NUM

DRAWFORM REVISION: 10 OCTOBER 2014

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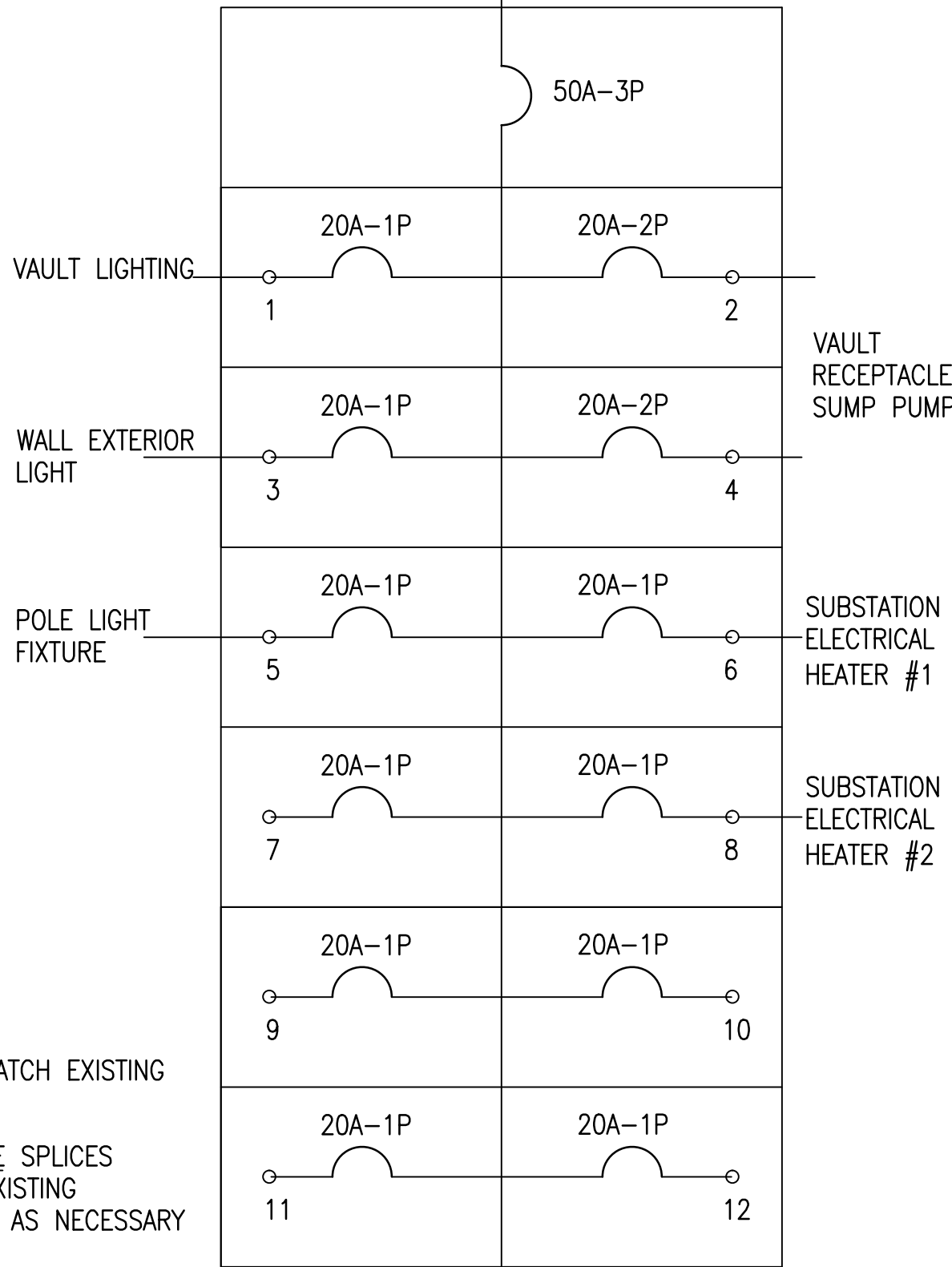
GENERAL SHEET NOTES

1. ALL WORK UNLESS NOTED AS EXISTING IS NEW AND SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
2. GROUNDING CONDUCTORS SHALL BE BONDED TO AN EXISTING IN THE VAULT COOPER BAR.

LEGEND

SYMBOL	DESCRIPTION
	CONTROL POWER POTENTIAL XFMR
	AMMETER WITH SELECTOR SWITH
	VOLTMETER WITH SELECTOR SWITCH
	3PH CURRENT XFMR
	METER TYPE: NEXUS 1272
	3PH CT SHORTING BLOCK

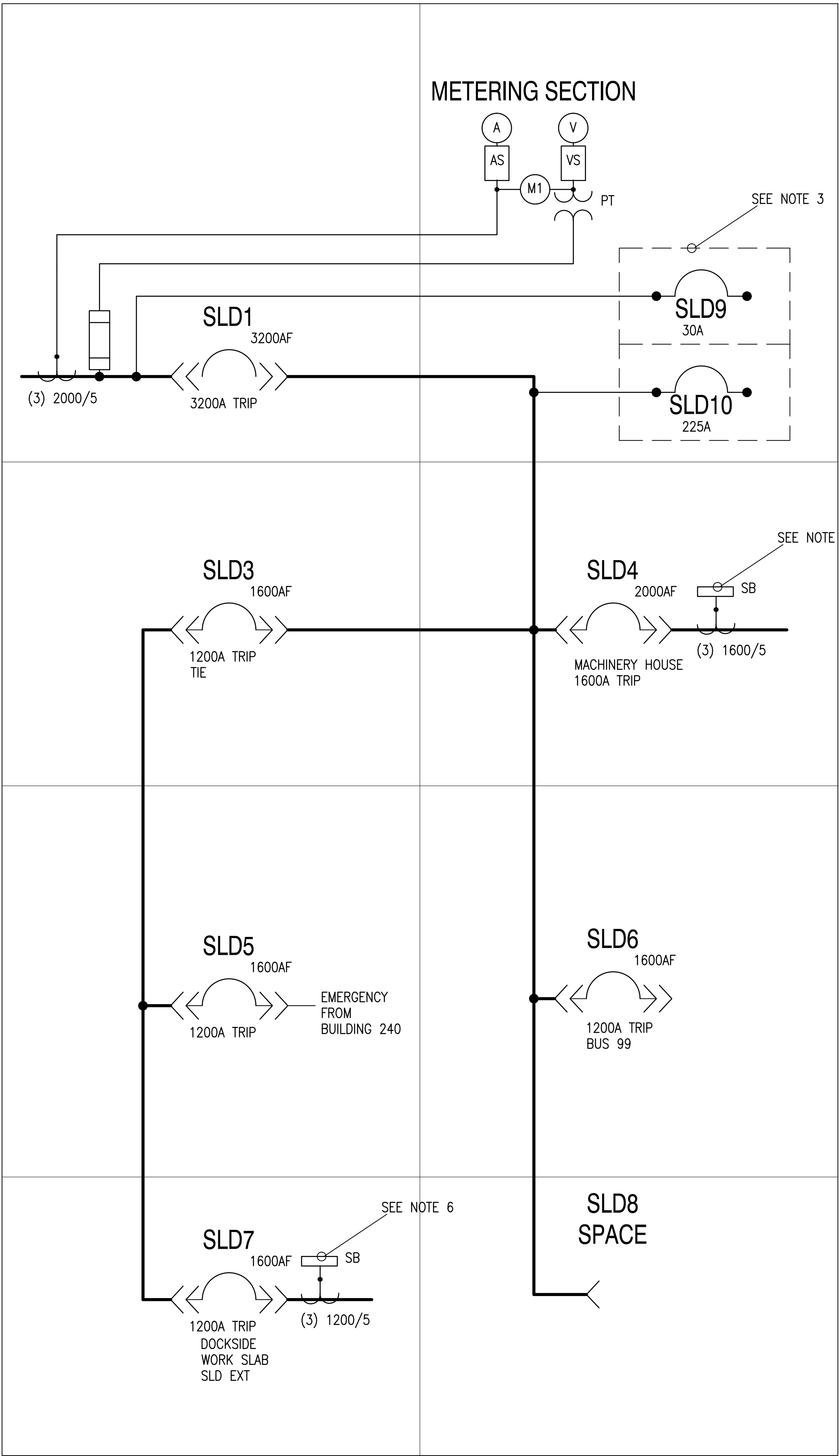
FROM XFMR 1500VA, 3P, 208-120V LP-1



100A- 3 P 4W ELECTRICAL PANEL
208 /120V NEMA 4
PROVIDE BOLT ON CIRCUIT BREAKERS

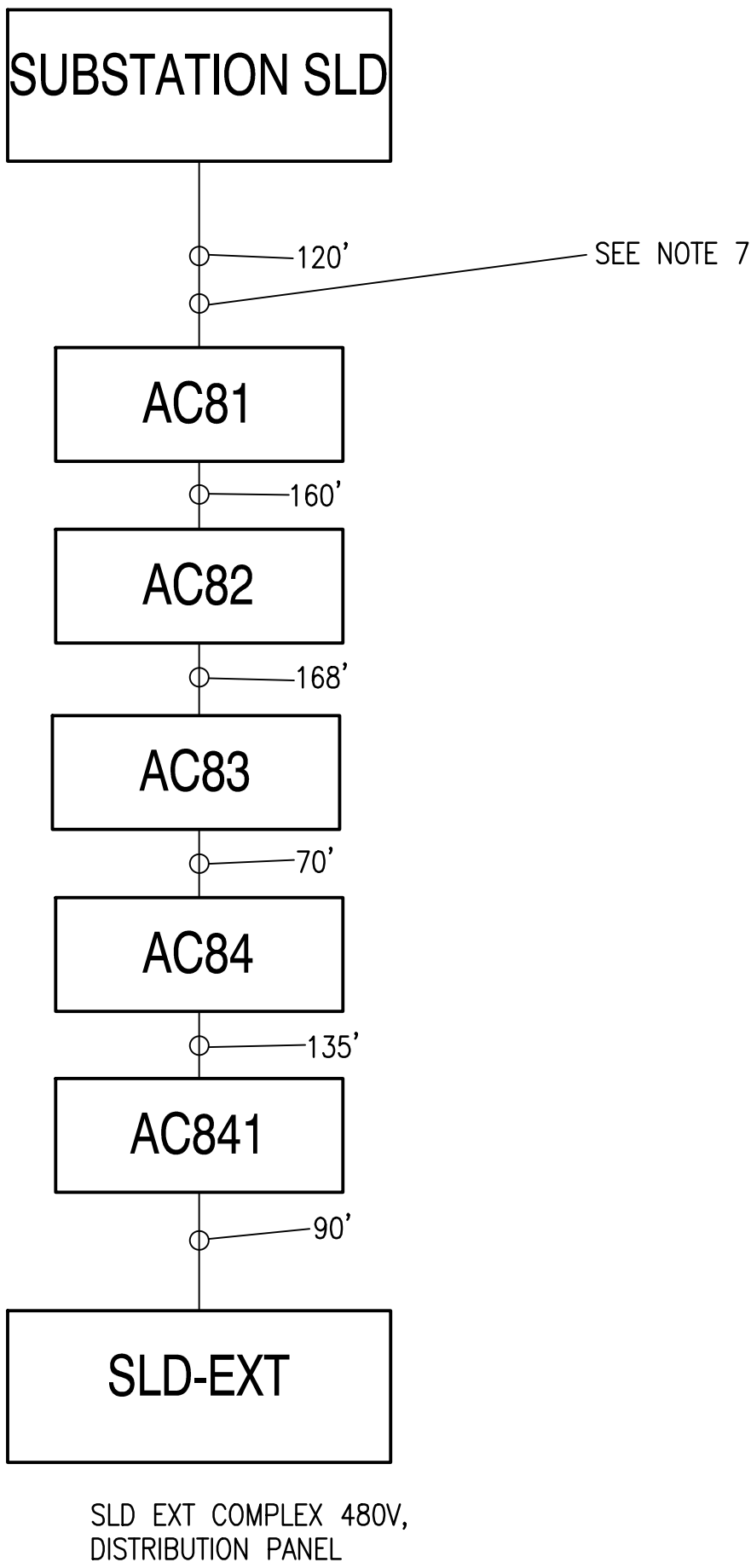
APPROVED	DATE	04/04/2016	TDC	APP
FOR COMMANDER NAVFAC	DATE	04/04/2016	TDC	APP
ACTIVITY	DATE	04/04/2016	TDC	APP
SATISFACTORY TO	DATE	04/04/2016	TDC	APP
DES: ZK	DRW: EAC	CHK: LCH	TDC	APP
PM/DM: TIM O'CONNELL	DATE	04/04/2016	TDC	APP
BRANCH MANAGER: STEPHEN MEAD	DATE	04/04/2016	TDC	APP
HEAD/PM/ME: AMIN BAHROUR	DATE	04/04/2016	TDC	APP
FIRE PROTECTION	DATE	04/04/2016	TDC	APP
REPLACE SUBSTATION SLD	DATE	04/04/2016	TDC	APP
RECONFIGURED ONE LINE RISER DIAGRAM	DATE	04/04/2016	TDC	APP
PROJECT NO.: 1380703	DATE	04/04/2016	TDC	APP
CONSTR. CONTR. NO.	DATE	04/04/2016	TDC	APP
NAVFAC DRAWING NO. #####	DATE	04/04/2016	TDC	APP
SHEET 13 OF 17	DATE	04/04/2016	TDC	APP
E602 FAC-YR-NUM	DATE	04/04/2016	TDC	APP
DRAWING REVISION: 10 OCTOBER 2014	DATE	04/04/2016	TDC	APP

FILE NAME: C:\Users\emily.cor\AppData\Local\Temp\AcPublish_21472\1380703SLD.dwg LAYOUT NAME: E603 PLOTTED: Thursday, June 16, 2016 - 9:35am USER: emily.cor



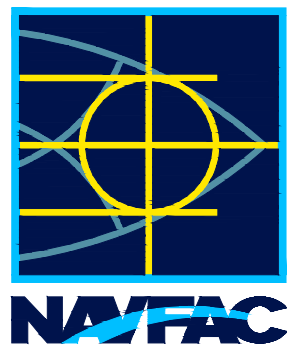
3200A, 480V, 3 PHASE SWITCHGEAR		
ITEM	DESCRIPTION	QTY
SLD1	3200A-3 PHASE POWER CIRCUIT BREAKER 480V SENSOR RATING PLUG:3200A	1
SLD3	1600A- 3 PHASE POWER CIRCUIT BREAKER 480V SENSOR RATING PLUG 1200A	1
SLD4	2000A- 3 PHASE POWER CIRCUIT BREAKER 480V SENSOR RATING PLUG 1600A	1
SLD5	1600A- 3 PHASE POWER CIRCUIT BREAKER 480V SENSOR RATING PLUG 1200A	1
SLD6	1600A- 3 PHASE POWER CIRCUIT BREAKER 480V SENSOR RATING PLUG 1200A	1
SLD7	1600A-3 PHASE POWER CIRCUIT BREAKER 480V SENSOR RATING PLUG 1200A	1
SLD9	30A-3PHASE CIRCUIT BREAKER 480V 65KA INTERRUPTIVE CAPACITY RATING	1
SLD10	225A-3 PHASE CIRCUIT BREAKER 480V, 65KA INTERRUPTIVE CAPACITY RATING	1
CT	<3>CURRENT TRANSFORMER AS INDICATED RATIO	3
PT	POTENTIAL TRANSFORMER 480:120V RATIO 150VA	3
AS	AMMETER WITH SELECTOR SWITCH	1
VS	VOLTMETER WITH SELECTOR SWITCH	1
M1	METER TYPE: NEXUS 1272	1

ONE-LINE DIAGRAM CONNECTION SLD
SUBSTATION TO 480V, 3 PHASE DISTRIBUTION PANEL SLD-EXT



GENERAL SHEET NOTES

1. MAXIMUM HEIGHT OF INSTRUMENTATION AND CONTROL DEVICES SHALL BE 6.5FT OR LESS ABOVE THE BOTTOM OF THE STRUCTURAL STEEL BACK-FRAME
2. EQUIPMENT ELEVATIONS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO SHOW THE GENERAL LAYOUT AND OVERALL DIMENSIONS. THE CONTRACTOR PROVIDE ALL ENGINEERING, DESIGN, MANUFACTURE, ASSEMBLY, AND TESTING TO MEET THE REQUIREMENTS OF THIS CONTRACT.
3. INSTALL CIRCUIT BREAKER SLD9 AND SLD10 AT THE BACK WALL OF METERING SECTION
4. POWER SYSTEM DATA
 - 4.1. 480V, 3 PHASE, 3 WIRE, 60 HZ/ 3 PHASE WYE SOLIDLY GROUNDED SYSTEM SHORT CIRCUIT CURRENT RATING 65KA RMS BUSWAY THROUGH THE LEFT WALL
5. BUS SYSTEM DATA
 - 5.1. 3200A SILVER PLATED COPPER MAIN BUS
6. PROVIDED CT SHORTING BLOCKS (SB) LOCATED IN METERING SECTION FOR FUTURE USE.
7. PROVIDE 9-1/C 500MCM RMW, JACKETED CONDUCTORS AND 3-1/C 4/O AWG RMC, JACKETED GROUND CONDUCTORS TYPICAL



APPROVED

FOR COMMANDER NAFAC

ACTIVITY

SATISFACTORY TO DATE

DIES ZK IDRW EAC ICHK

PM/DM TIM O'CONNELL

BRANCH MANAGER STEPHEN MEAD

FEAD/PM/NE AMIN BAHROUR

FIRE PROTECTION X

REPLACE SUBSTATION SLD

LOW VOLTAGE DISTRIBUTION SWITCHGEAR ELECTRICAL DIAGRAM

REPLACE SUBSTATION SLD

REPLACE SUBSTATION SLD

REPLACE SUBSTATION SLD

REPLACE SUBSTATION SLD

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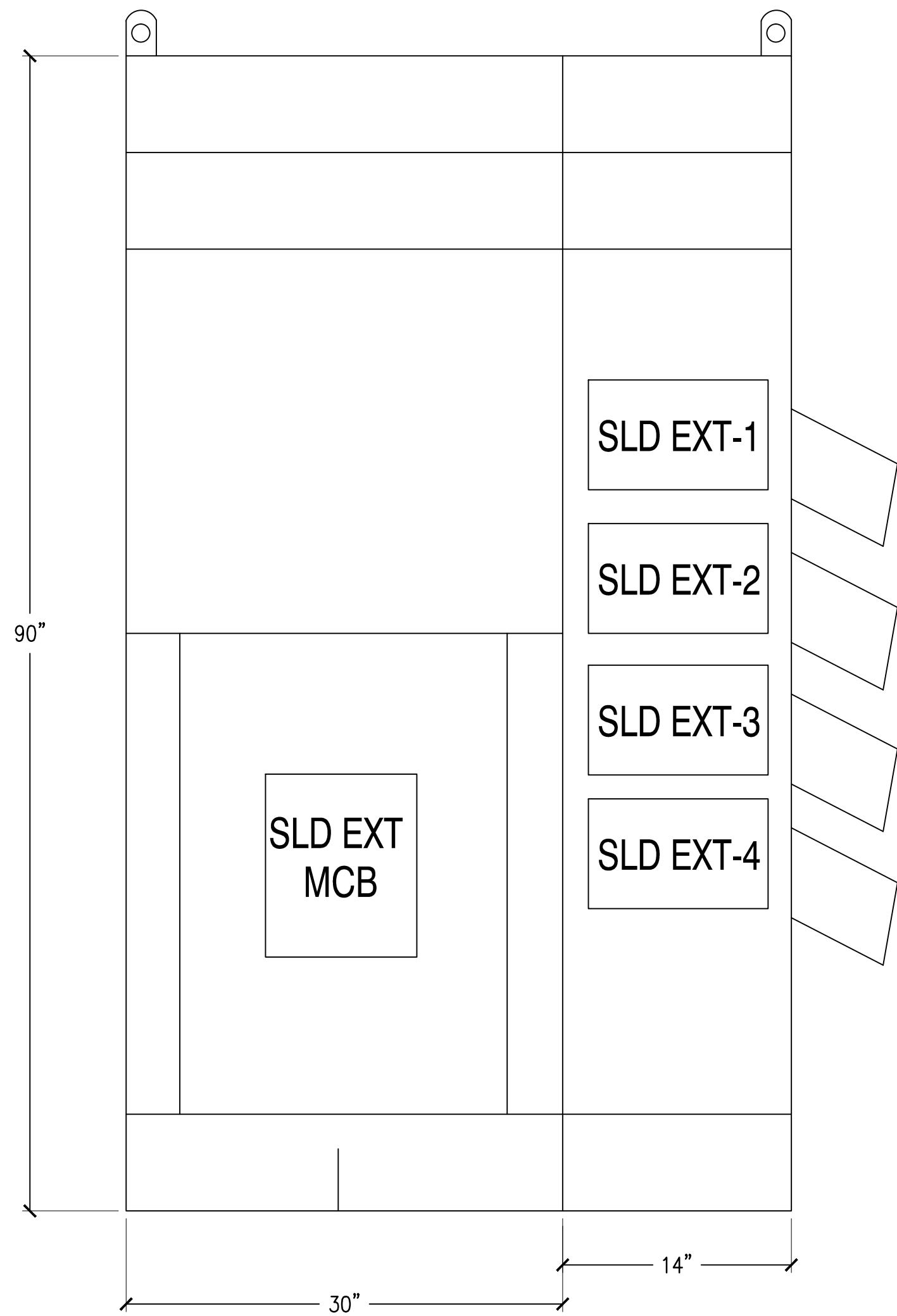
REPLACE SUBSTATION SLD

REPLACE SUBSTATION SLD

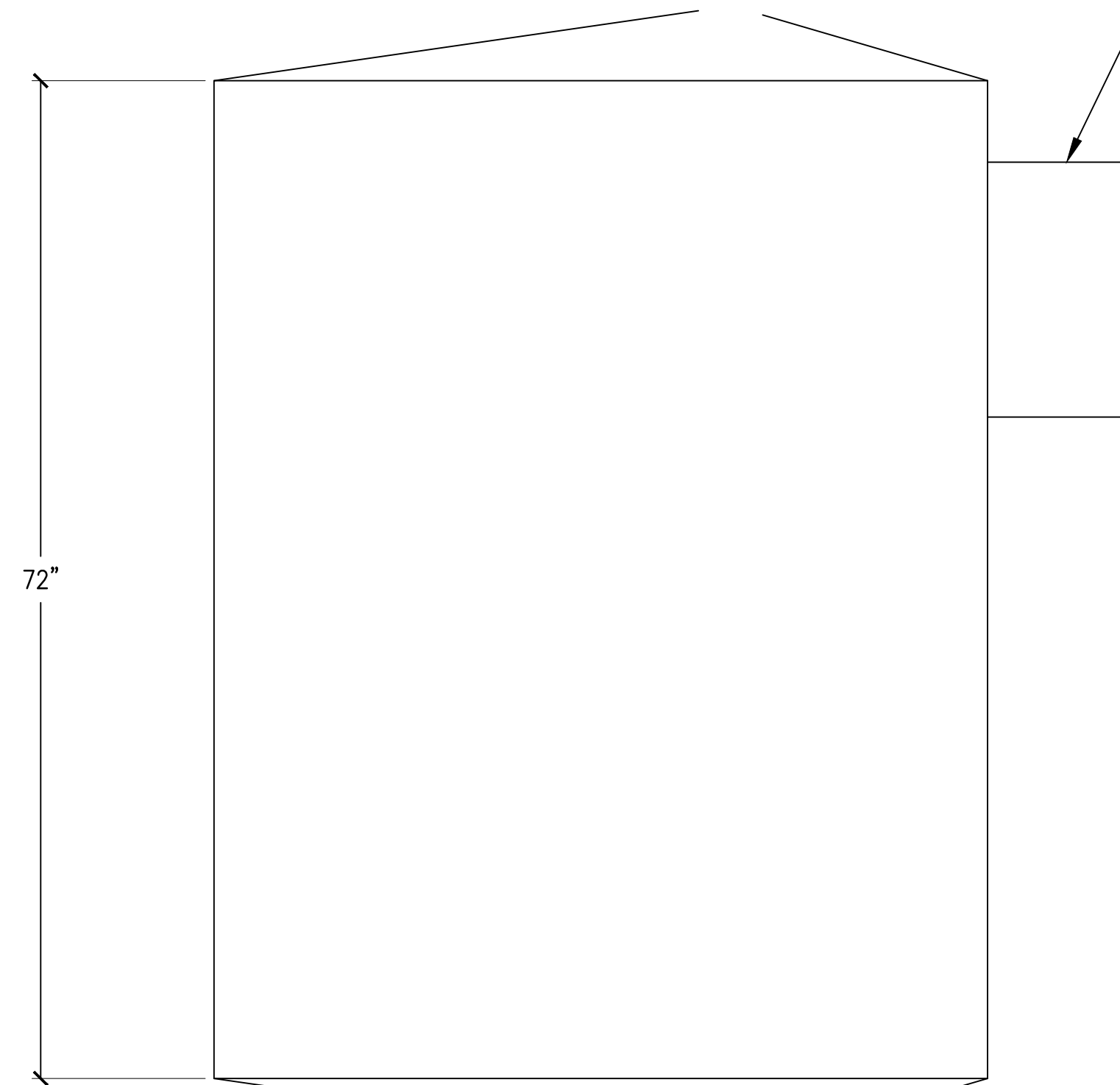
REPLACE SUBSTATION SLD

REPLACE SUBSTATION SLD

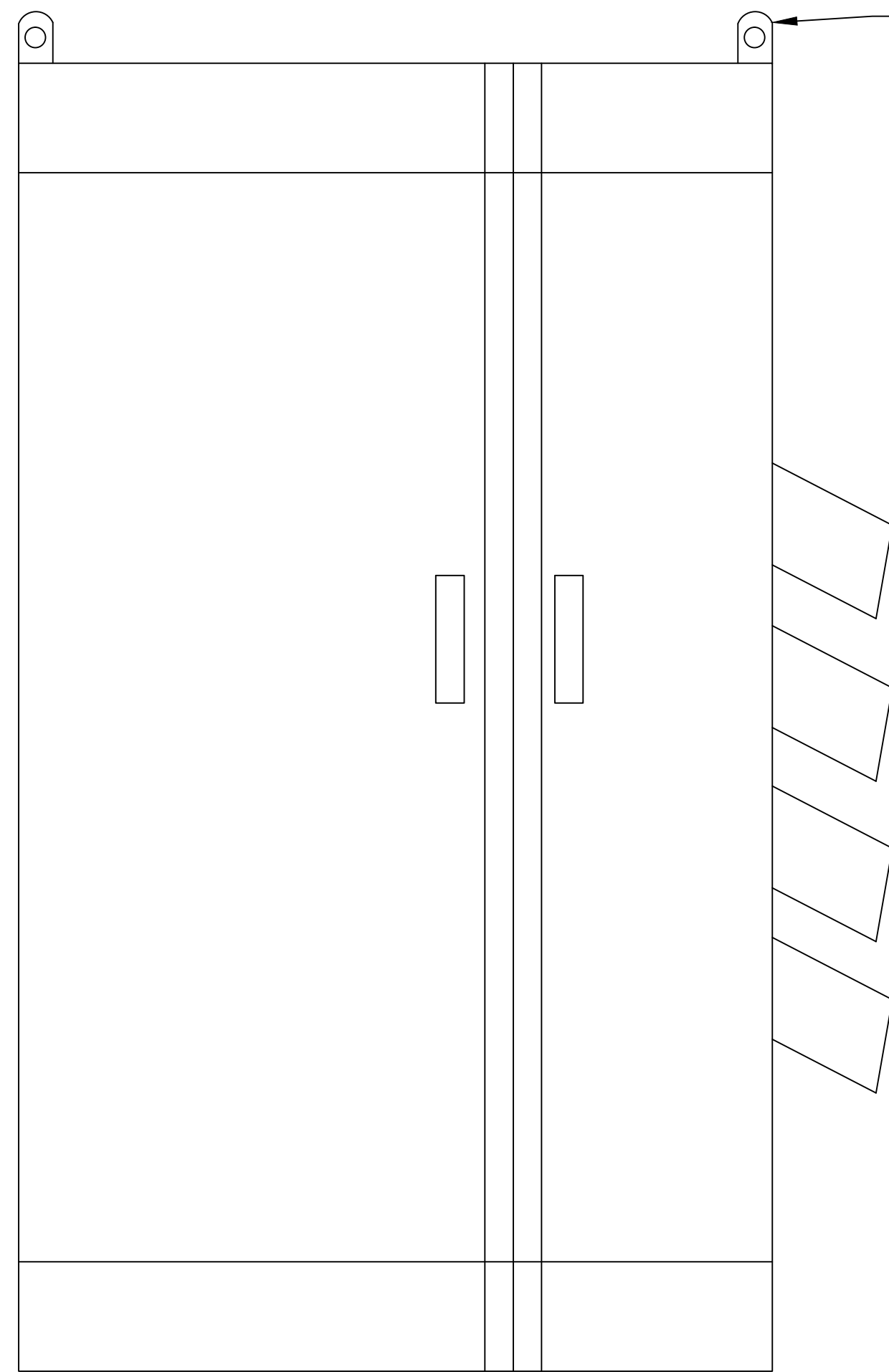
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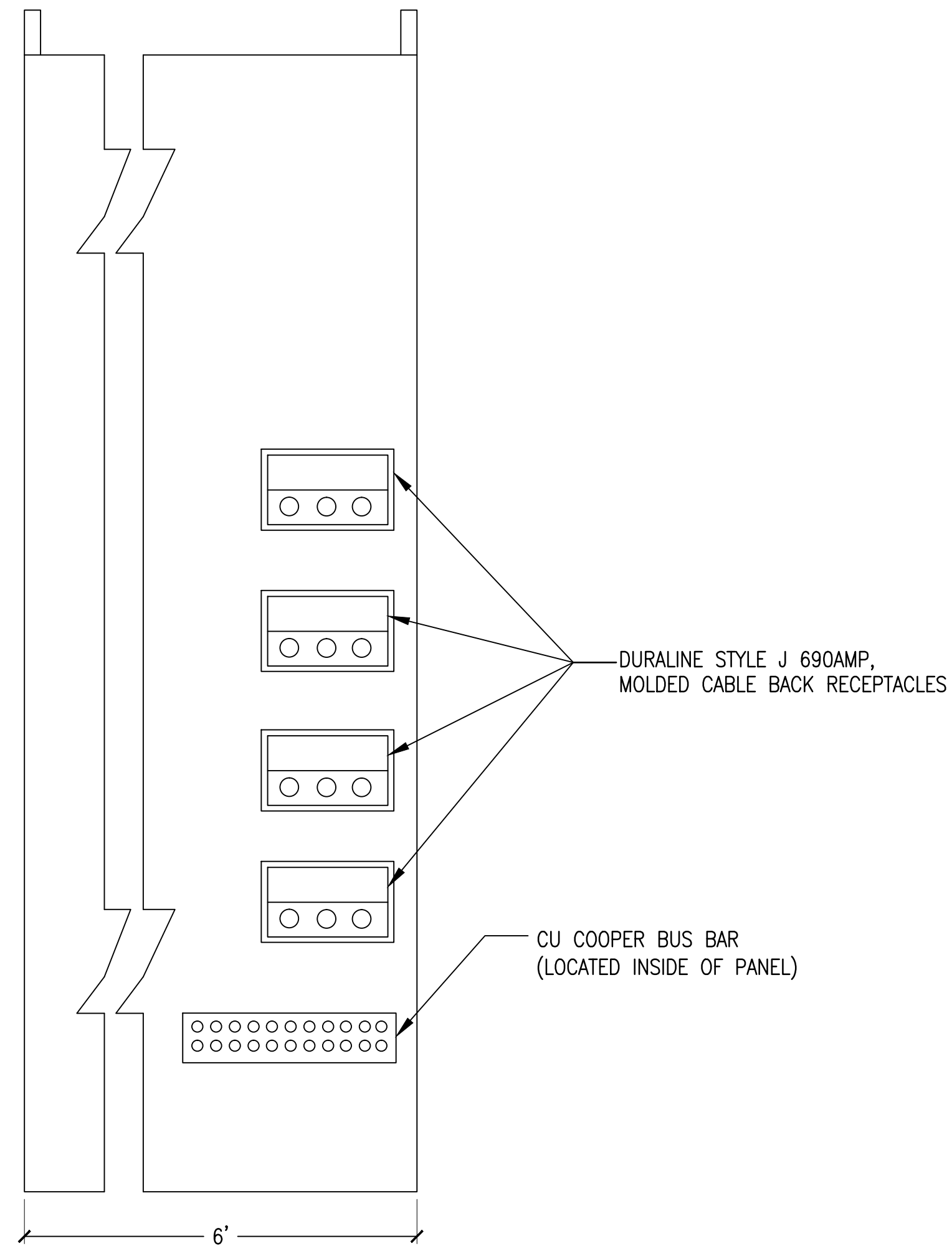
FRONT VIEW WITHOUT ENCLOSURE



1200AMPS DISTRIBUTION PANEL PLAN

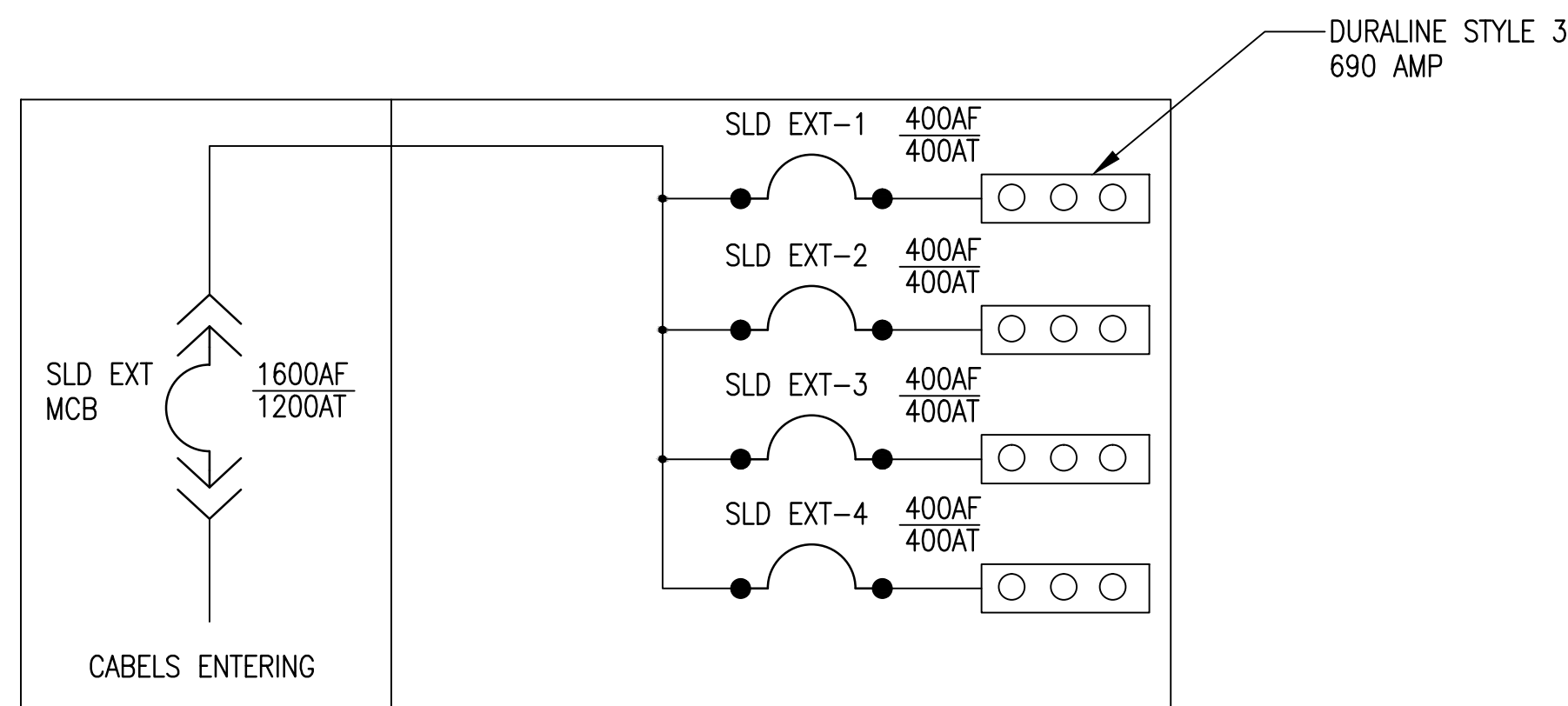


FRONT VIEW WITH ENCLOSURE



SHORE POWER CONNECTOR END ELEVATION

SECTION NUMBER	CIRCUIT NUMBER	GMD HEIGHT	DEVICE RATING	TRIP AMPS	#P	FEEDS	CIRCUIT BREAKER TYPE
1	SLD EXT MCB	---	INCOMING CONNECTION 1200	1200	3P		PE 361600 LSG OR SIMILAR
2	SLD EXT-1	7.5	400	400	3P		LE 364004 LSG OR SIMILAR
3	SLD EXT-2	7.5	400	400	3P		--II--
4	SLD EXT-3	7.5	400	400	3P		--II--
5	SLD EXT-4	7.5	400	400	3P	SPARE	--II--

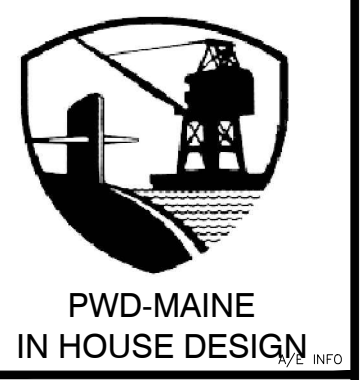


ONE-LINE DIAGRAM SLD-EXT DISTRIBUTION PANEL

GENERAL SHEET NOTES

1. SWITCHGEAR GENERAL NOTES
 - 1.1. PRODUCT DESCRIPTION AND RATING
 - 1.2. POWER SYSTEM DATA
 - 1.2.1. 480 V, 3PH, 60HZ,/3PHASE WIRE, SYSTEM SHORT CIRCUIT RATING- 50 KA RMS SOLIDLY GROUNDING, INCOMING SECTION 1 BUSWAY THROW THE BUTTON.
 - 1.3. ENCLOSURE DATA
 - 1.3.1. NEMA-4X (NON WALKIN IN) SWITCHBOARD ENCLOSURE EXTERIOR PRINT COLOR: AUST 49.
 - 1.3.2. FRONT AND REAR ACCESSIBLTY REQUIRED
 - 1.4. EQUIPMENT ELEVATIONS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO SHOW THE GENERAL LAYOUT AND OVERALL DIMENSIONS. THE CONTRACTOR PROVIDE ALL ENGINEERING DESIGN, MANUFACTURE, ASSEMBLY, AND TESTING TO MEET THE REQUIREMENTS OF THIS CONTRACTOR.
 - 1.5. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL HEATERS FOR SECTION 1 AND 2 DISTRIBUTION SWITCHBOARD.
 - 1.6. HOUSING/ RECEPTACLES: 30" ANGLE 3 GANG FEMALE RECEPTACLES BLOCK HOUSING WITH FEMALE "J" SERIES SHROUNDED POSITIVE LATCHING BLOCKS MOLDED TO CABLE STYLE. BLACK A PHASE, BLUE B PHASE, RED C PHASE.

SYN	DESCRIPTION	DATE	APP
0	BID DOC SUBMISSION	04/04/2016	TOC



APPROVED				
FOR COMMANDER NAVFAC				
ACTIVITY				
SISFACTORY TO				
DATE				
ES				
ZK				
DRW				
EAC				
CHK				
PM/DM				
TIM O'CONNELL				
BRANCH MANAGER				
STEPHEN MEAD				
FEAD/PM/NE				
AMIN BAHROUR				
FIRE PROTECTION				
X				

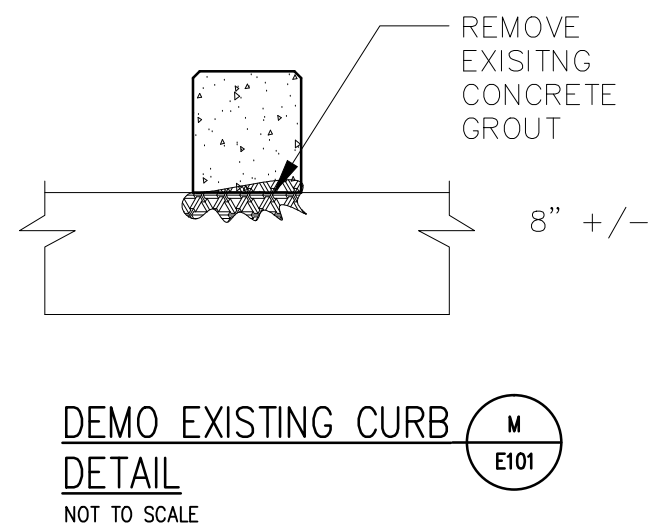
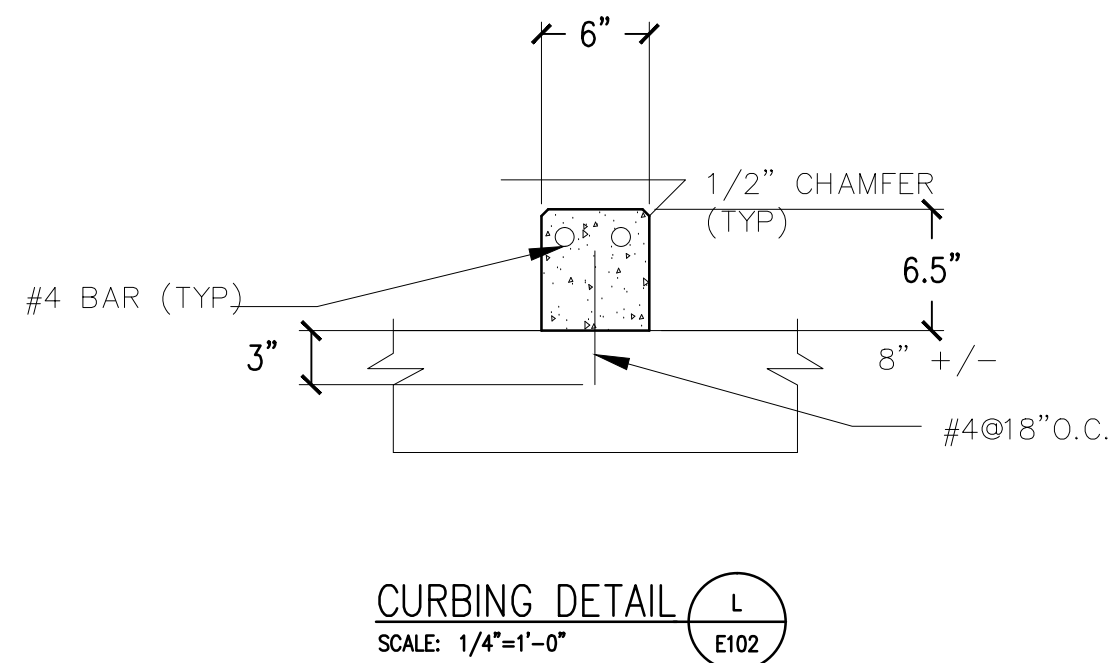
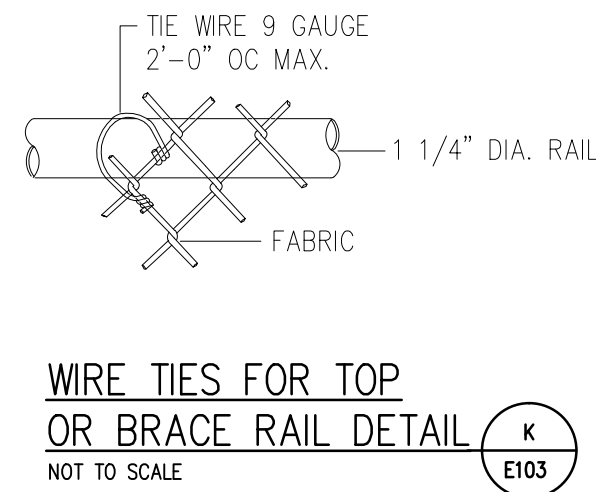
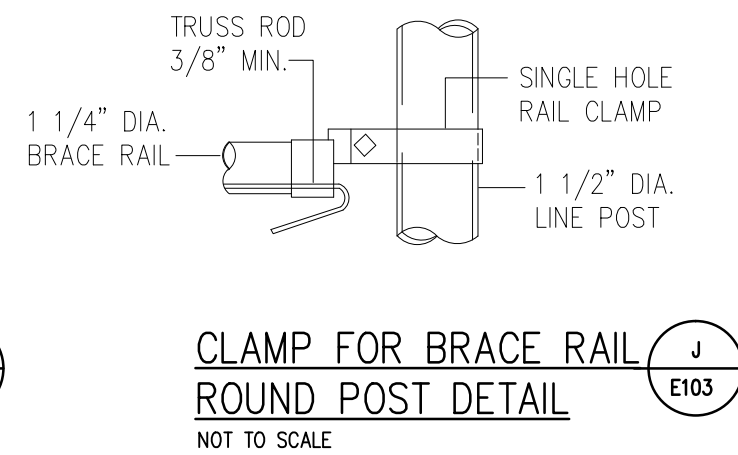
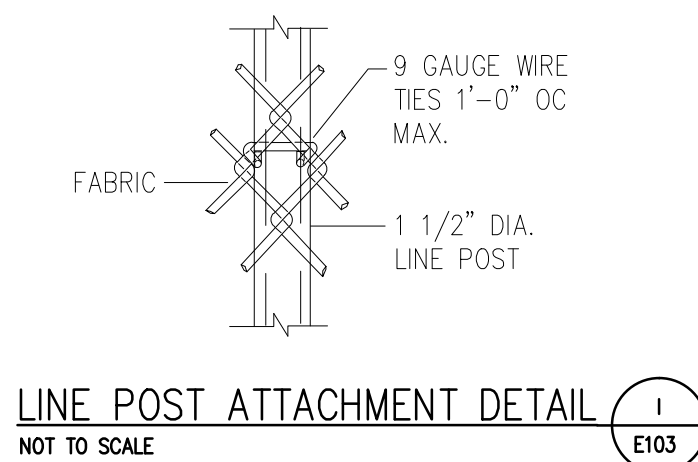
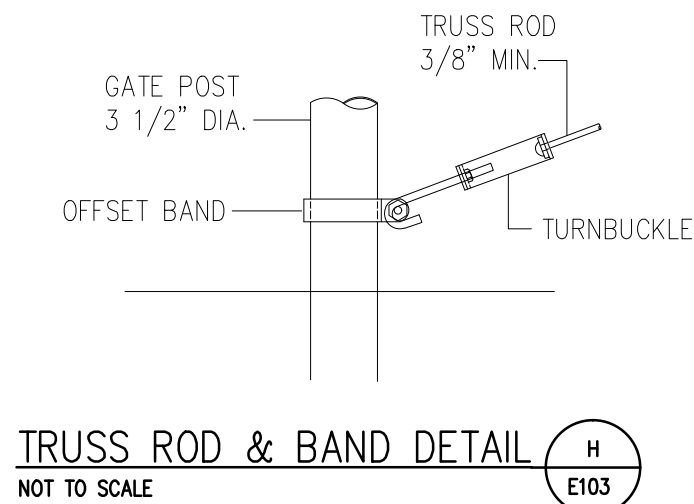
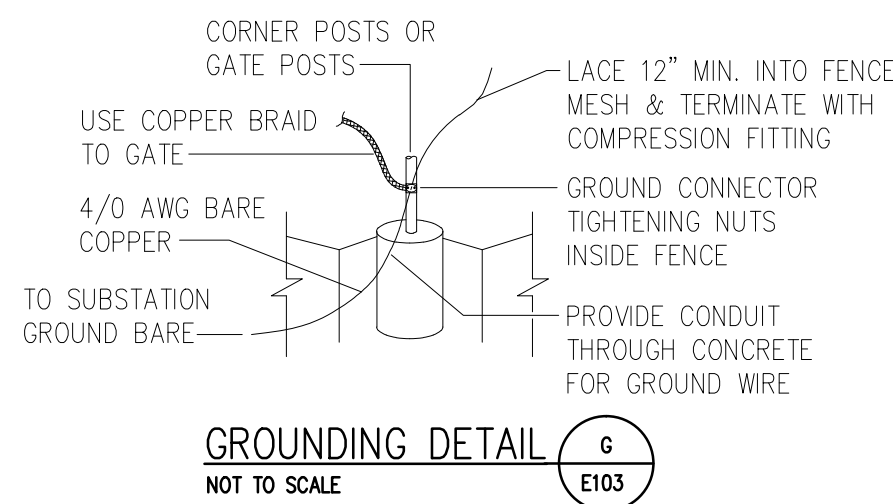
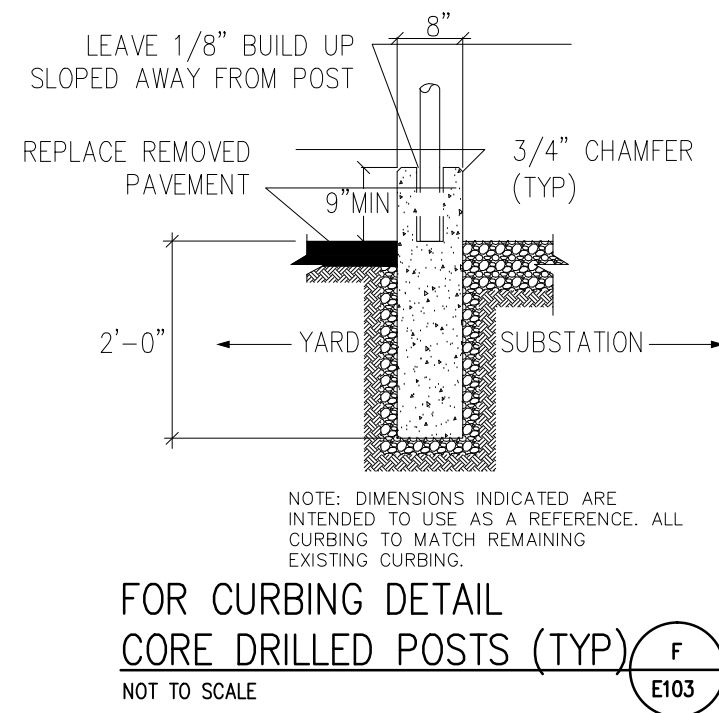
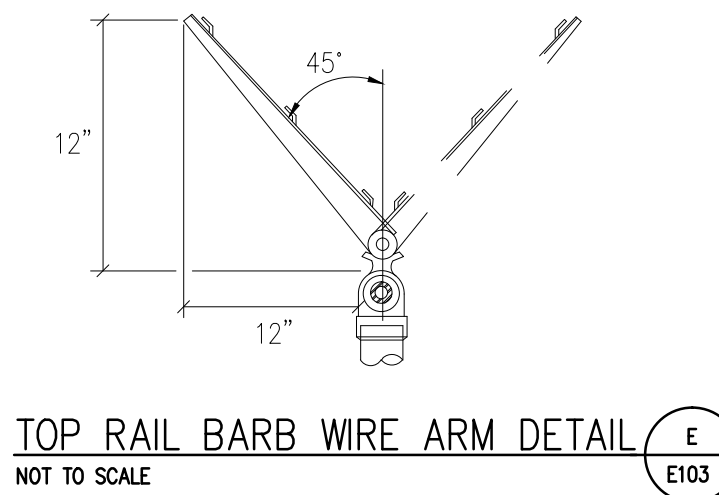
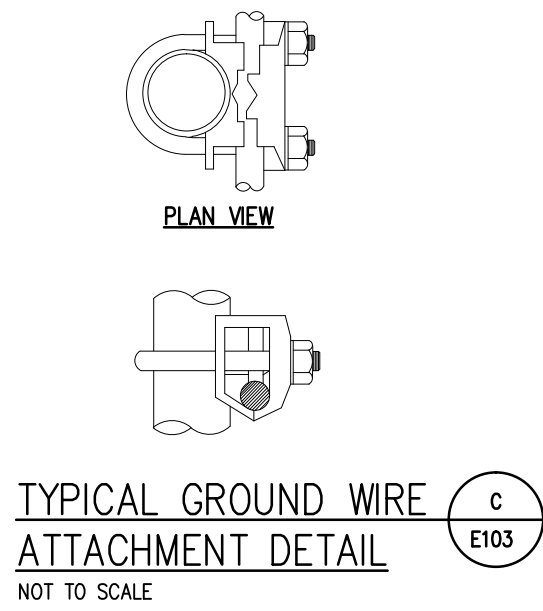
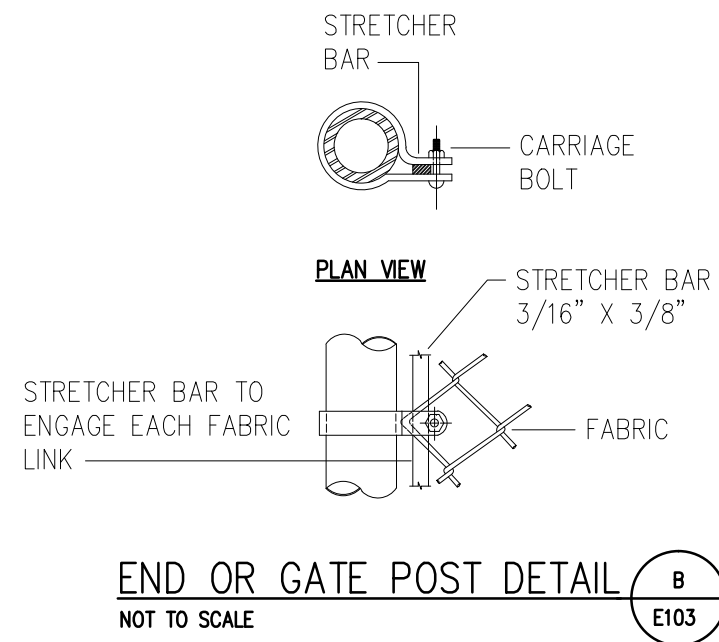
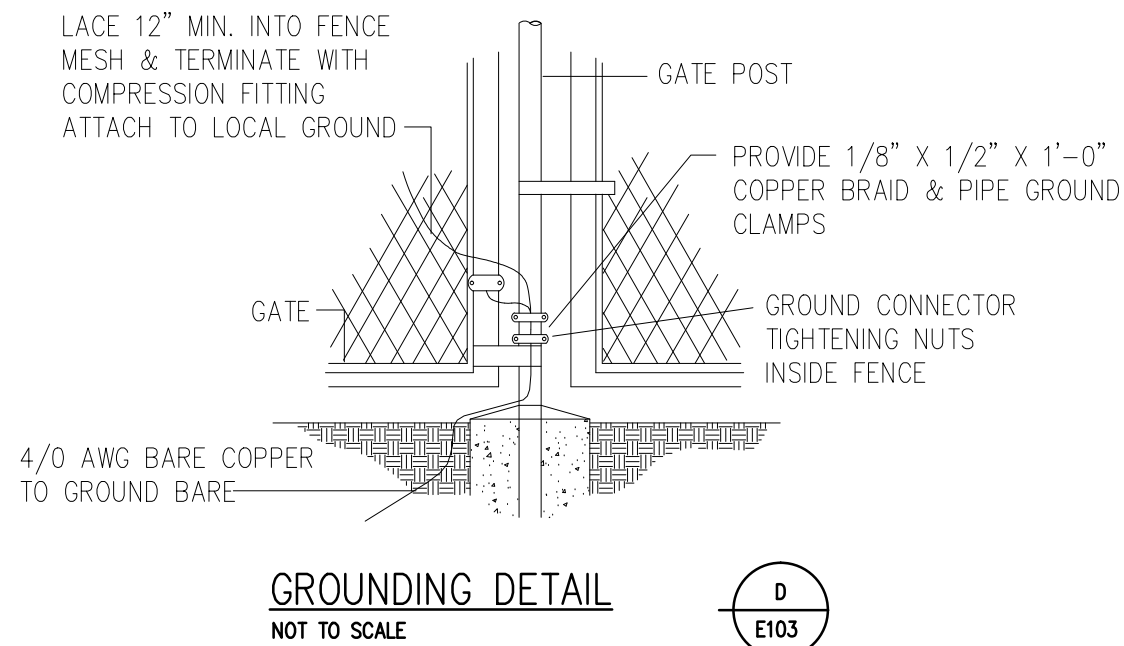
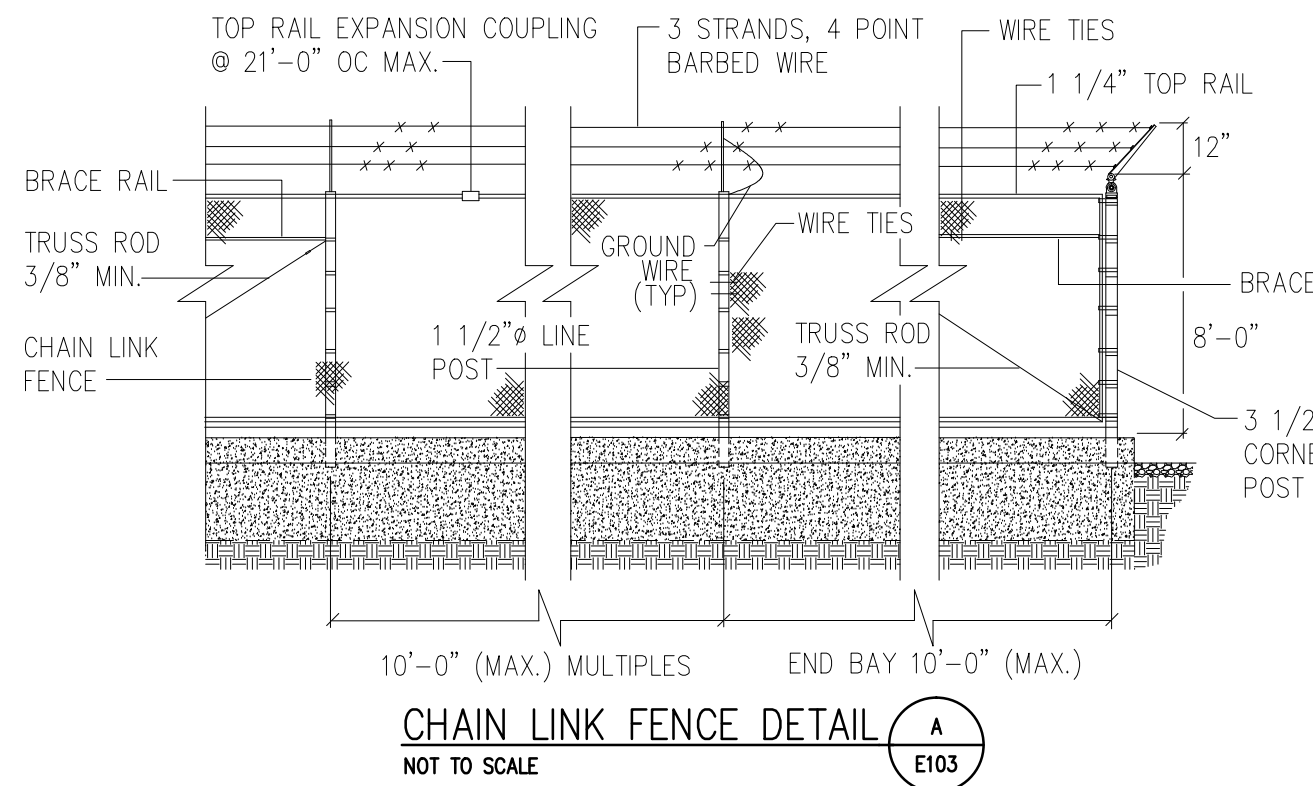
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC	NAVAL SHIPYARD - PORTSMOUTH, NH	REPLACE SUBSTATION SLD	SLD LOW VOLTAGE DISTRIBUTION SWITCHBOARD SLD-EXT ONE-LINE
PUBLIC WORKS DEPARTMENT - MAINE	PORTSMOUTH NAVAL SHIPYARD	KITTERY, MAINE			

PROJECT NO.:	1380703		
CONSTR. CONTR. NO.			
NAVFAC DRAWING NO.	#####		
SHEET	15	OF	17
E604	FAC-YR-NUM		

E604 FAC-YR-NUM

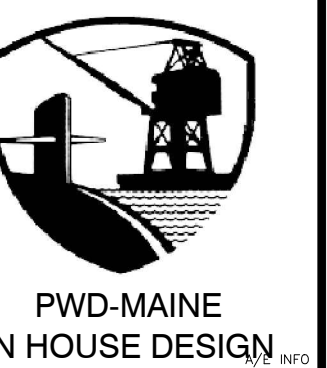
DRAWFORM REVISION: 10 OCTOBER 2014

FILE NAME: C:\Users\emily.car\AppData\Local\Temp\4e04b1d1-21472\1380703SLD.dwg LAYOUT NAME: S101 PLOTTED: Thursday, June 16, 2016 - 9:35am USER: emily.car



GENERAL SHEET NOTES

1.



APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES EAC DRW DRW CHK SLM

PM/DM EMILY CAR

BRANCH MANAGER STEPHEN L MEAD

HEAD/PM/NE AMIN BAHRROUR PM&E

FIRE PROTECTION X

REPLACE SUBSTATION SLD

NAVAL SHIPYARD - PORTSMOUTH, MAINE

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC

PUBLIC WORKS DEPARTMENT - MAINE

PORTSMOUTH NAVAL SHIPYARD

REPLACE SUBSTATION SLD

SLD FENCE AND SITE DETAIL

REPLACE SUBSTATION SLD

SLD FENCE AND SITE DETAIL

REPLACE SUBSTATION SLD

SLD FENCE AND SITE DETAIL

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SLD FENCE AND SITE DETAIL

REPLACE SUBSTATION SLD

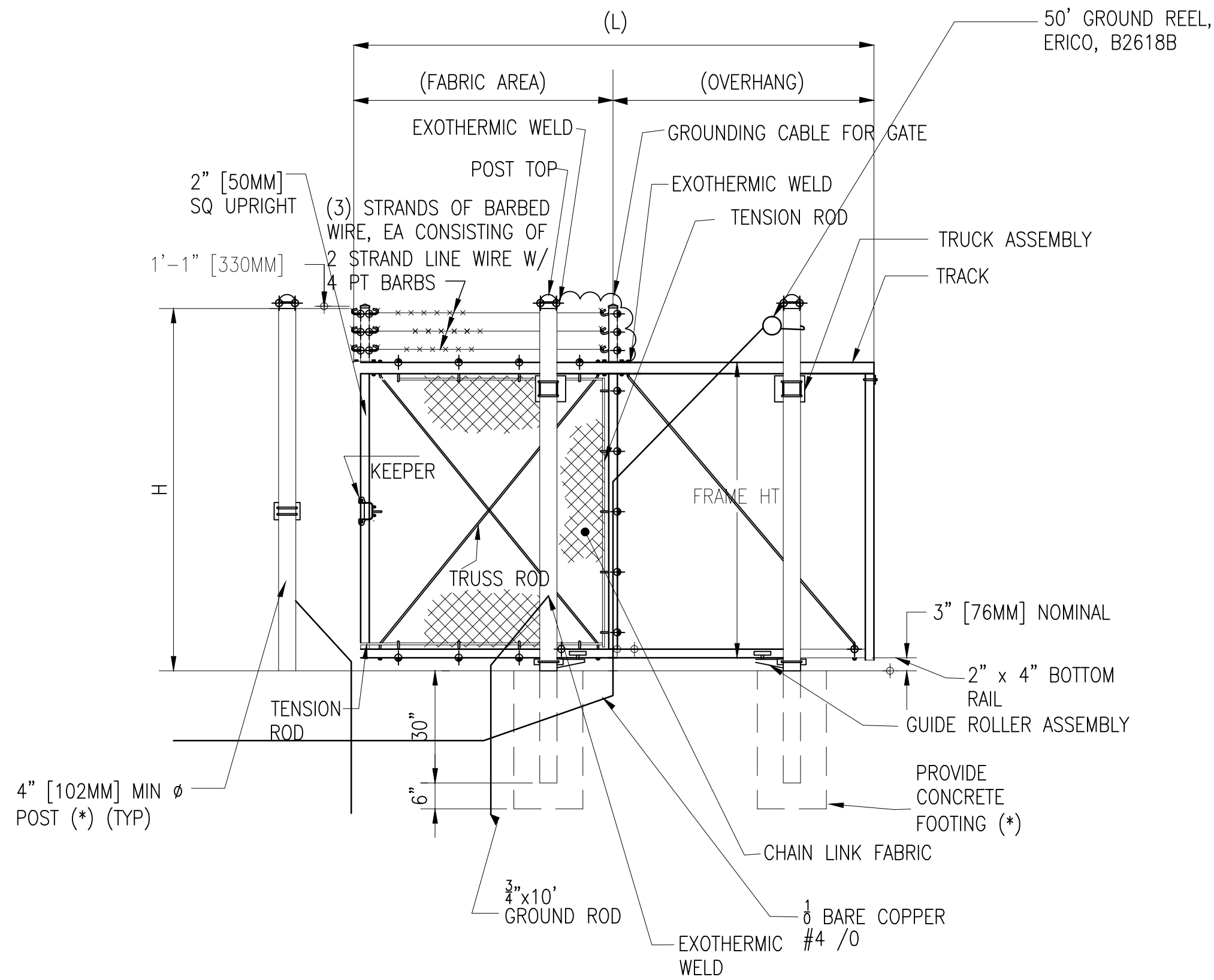
SLD FENCE AND SITE DETAIL

REPLACE SUBSTATION SLD

SLD FENCE AND SITE DETAIL

SAMPLING OF SIZES:

OPENING	NOMINAL HEIGHT (H)	LENGTH (L)	GATE POSTS (G)	BAYS / OVERHANG
4'-6"	8'-0"	9'	4'-6"	1 (FABRIC) / 1 (W/O)



(*) POST SIZE AND ASSOCIATED FOOTING DIAMETER TO BE DETERMINED BY MANUFACTURER, BASED ON LEAF WEIGHT & DIMENSION. MINIMUM FOOTING DIAMETERS (TO BE FILLED W/4000 PSI CONC):

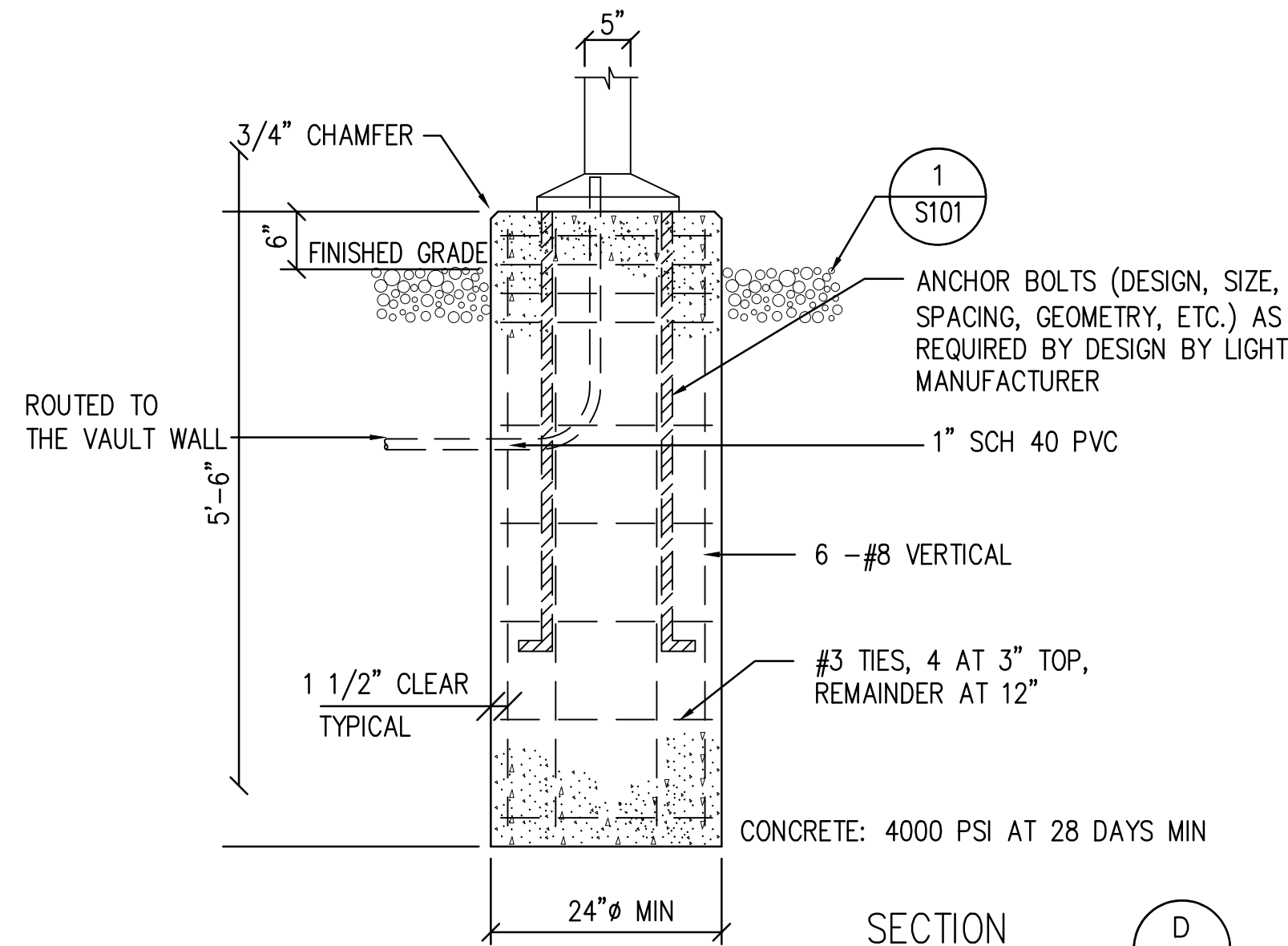
TYPICAL SINGLE CANTILEVERED SLIDING GATE ELEVATION- (1) BAY SHOWN

NOT TO SCALE

WITH ROUND POSTS & WITH BARBED WIRE

A1

E102 S102

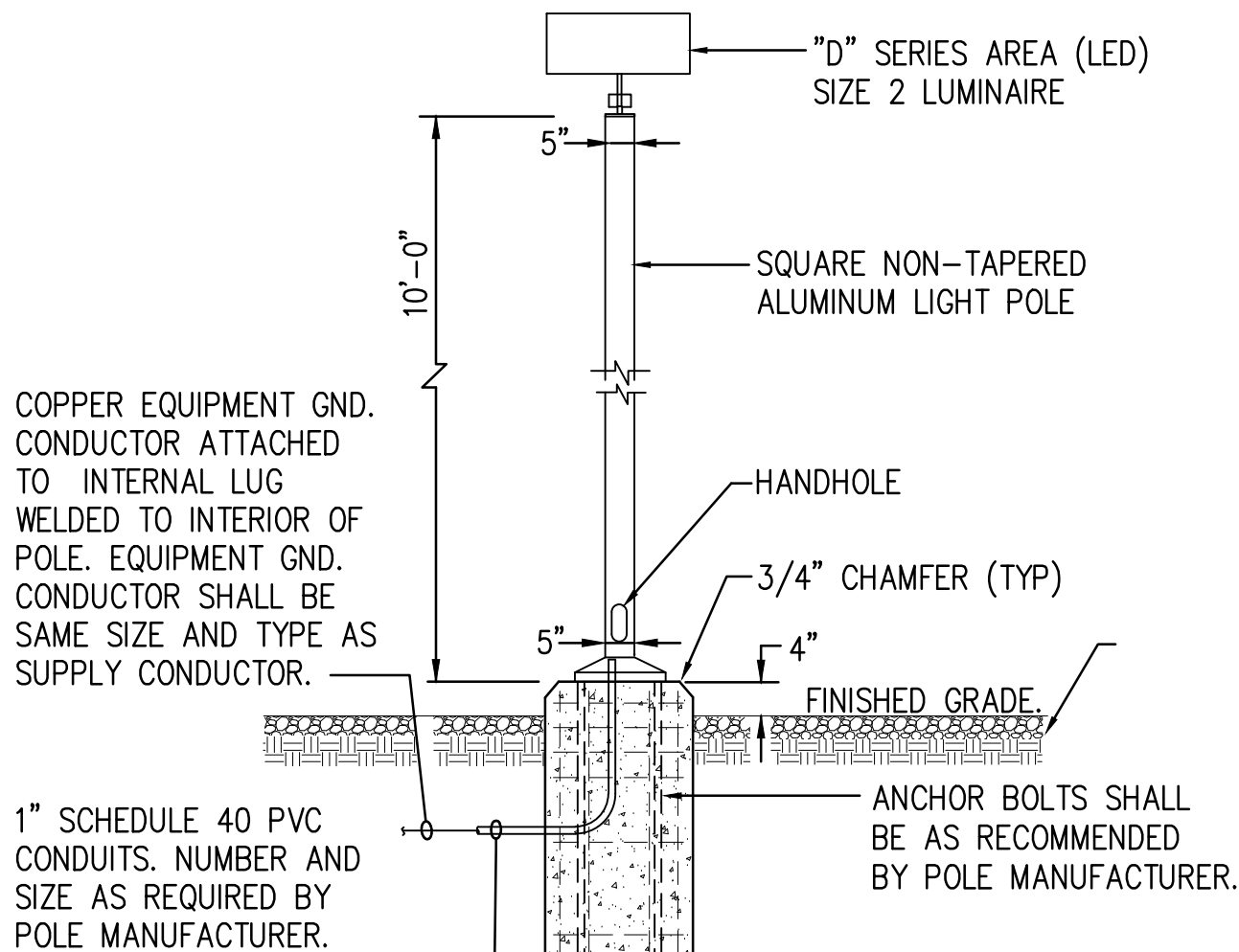


SECTION

SCALE: 3/4"=1'-0"

D

S101



LIGHT STANDARD DETAIL

NOT TO SCALE

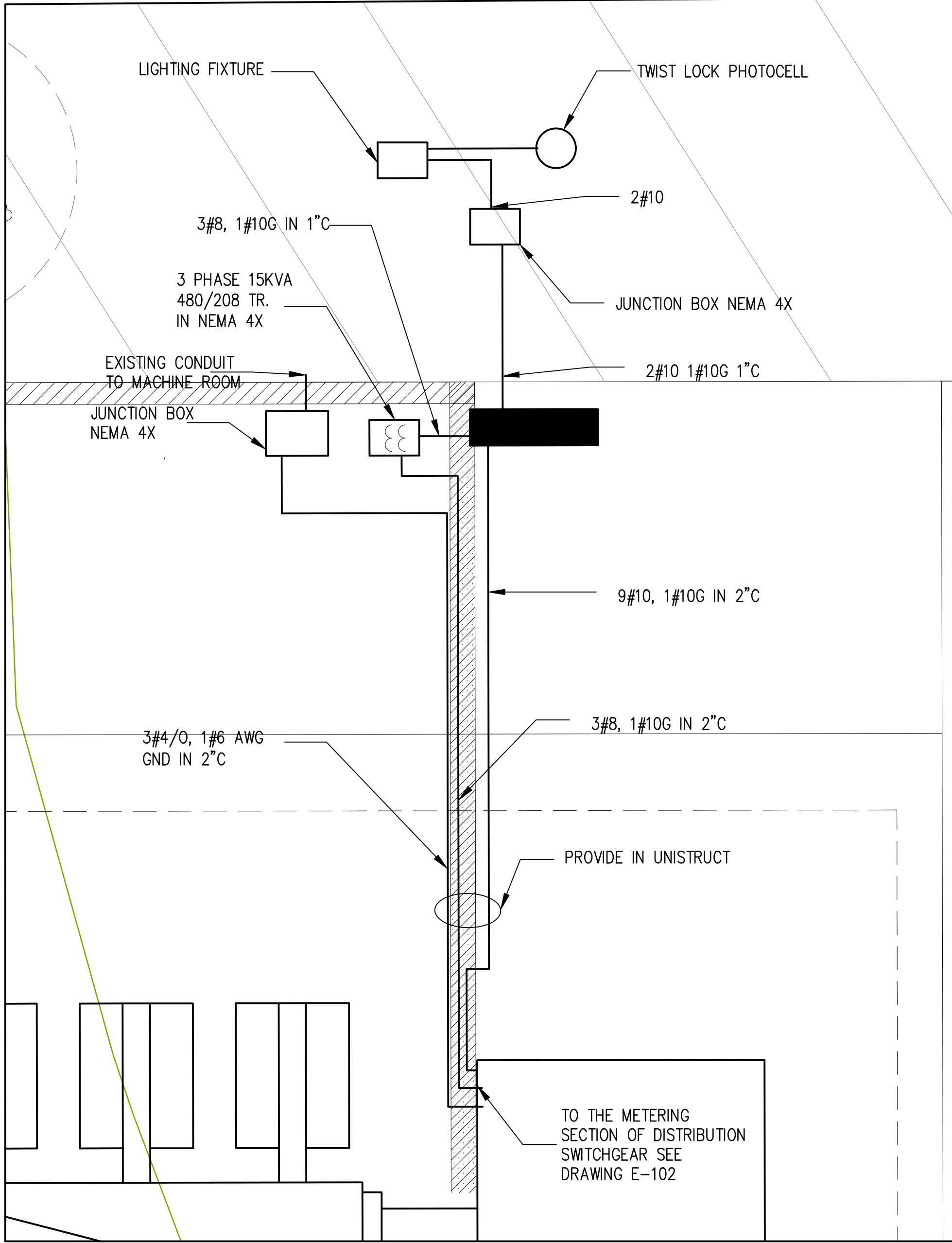
E

S101

ELECTRICAL NOTES

1. PROVIDE YARD LIGHTING AS SHOWN AND PER DETAILS

DETAIL FROM E103

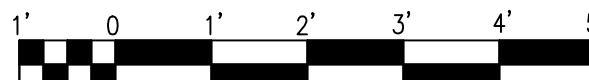


CANTILEVER GATE NOTES

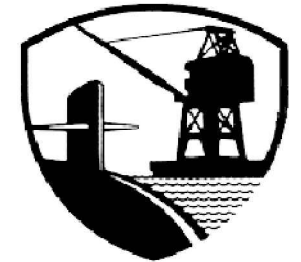
1. CONSIDERATION: PER PAGE 29 OF UFC 4-22-03. THE GUIDANCE SUGGESTS USING BIPARTING GATES (2 CANTILEVERS MEETING IN CENTER OF THE OPENING WHEN FULLY EXTENDED) ADDITIONAL SPACE IS REQ'D ON BOTH SIDES, SO NOT IDEAL FOR ALL LOCATIONS. IT DOES ALLOW FOR THE RESTRICTION OF TRAFFIC IN EITHER DIRECTION.

GRAPHIC SCALES

1/2" = 1'-0"



1-1/2" = 1'-0"



PWD-MAINE
IN HOUSE DESIGN

APPROVED

FOR COMMANDER NAFAC

ACTIVITY

SATISFACTORY TO DATE

DES ZK DRW EAC CHK

PM/DM TIM O'CONNELL

BRANCH MANAGER STEPHEN MEAD

TEAM/NAME AMIN BAHROUR

FIRE PROTECTION X

REPLACE SUBSTATION SLD

FENCE SLIDING DOOR DETAIL

REPLACE SUBSTATION SLD

FENCE SLIDING DOOR DETAIL

REPLACE SUBSTATION SLD

FENCE SLIDING DOOR DETAIL

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